

Project 2.4
CZ130

Myakka River Basin Project
Final Progress Report
October, November, December, 1989
Contract Number CM222

Submitted to:

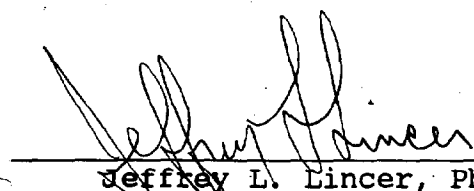
Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blainstone Road
Tallahassee, Florida 32399-2400

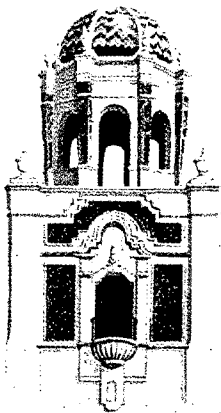
Submitted by:

Sarasota County
Ecological Monitoring Division
1301 Cattlemen Road, Room 216
Sarasota, Florida 34232

Funds for this project are provided by the Florida Department of Environmental Regulation, Office of Coastal Management, using funds made available through the National Oceanic and Atmospheric Administration under the Coastal Zone Management Act of 1972, as amended.

February 28, 1990
Date


Jeffrey L. Lincer, Ph.D.



COUNTY OF SARASOTA
FLORIDA

Office of the Scientific Advisor
Ecological Monitoring

1301 Cattleman Road
Sarasota, Florida 34232

Jeffrey L. Lincer, Ph.D., Director
Telephone (813) 378-6142

February 27, 1990

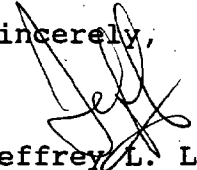
Mr. Jim Stoutamire
Florida Department of Environmental Regulation
Coastal Zone Management
2600 Blairstone Road
Tallahassee, Florida 32399-2400

Dear Jim:

Enclosed is the final progress report for DER contract No. CM222. This report summarizes the accomplishments of the project from October to December 1989 and includes an executive summary.

If you should have any questions, please let me know.

Sincerely,


Jeffrey L. Lincer, Ph.D.,
Director,
Ecological Monitoring Division

enclosures: Final Progress Report (8 copies)
Executive Summary (8 copies)

cc: MRBP -- Progress Report file
Fred Calder, Department of Environmental Regulation
Gwenn Godfrey, Department of Environmental Regulation
Barbara Hartley, Clerk to the Board

GB991.FL M93 1990

TABLE OF CONTENTS

Table of Contents	i
Sarasota County Staff	ii
Executive Summary	iii
Progress Report	1
Task 1	1
Task 2	3
Task 3	3
Task 4	3
Task 5	5
Task 6	5
Figures	
Figure 1	Daily Rainfall at NOAA Station in Myakka River State Park for 1987 and 1988 with Sampling Schedule for 1989 Indicated with Arrows.
Appendices	
Appendix 1	Curry Creek
Appendix 2	Botanic Survey Results and Benthic Species List -- Task 5
Appendix 3	Results -- Tasks 4 and 6
Attachments	
Attachment 1	Sources of Information
Attachment 2	Water Quality Stations -- Locations and Descriptions

Sarasota County Staff

Jeffrey L. Lincer, Ph.D., Principal Investigator

Susan Lowrey, Water Quality Monitoring Coordinator

Kim Babbitt, Assistant Water Quality Monitoring Coordinator

Judy Traugott, Technical Support

Myakka River Basin Project Year 1

Executive Summary

This summary is being provided pursuant to DER Contract No. CM222, Section 6C. It includes a brief summary of work conducted and results obtained during Year 1 of the project.

Year 1 of the Myakka River Basin Project assembled and compiled the history of the Myakka River, provided new data to assess the present status of the watershed, and initiated a vision of the system's future. The history of the Myakka River depicted an area used primarily for agriculture. The earliest disturbances to the river system were agricultural. Installation of control structures assured ranchers that their livestock would have water all year; they would have more arable land; or that the periodic flooding of the river could be controlled. Some of these people have assumed a strong stewardship role. Many of the families who have lived along the Myakka River for years have land deeds that grant them ownership of the river as well as the land surrounding it. These people are very dubious about Florida's ownership of submerged lands, and suspicious of any effort that might infringe on their rights to control the river.

A look at the present status of the river basin shows a new set of problems emerging for the Myakka. First among these is development. As the population of Florida continues to grow very rapidly. Predictions for the next ten years put Florida's population explosion second only to California's. Southwest Florida is predicted to experience the most rapid growth in Florida during that same time. There are currently five subdivisions in the permit review process that have "Myakka" as part of their name. The potential and/or real consequences of development include loss of habitat, alteration of shorelines, increases in nonpoint source pollution due to stormwater runoff and increased septic tank use, and shortages of potable water.

During the past year, the City of Sarasota has installed a ridge and furrow system for the disposal of treated effluent within the Myakka River watershed, the City of Venice has received permission to discharge treated wastewater into Curry Creek, and land spreading of Grade II sludge is under consideration for a site north of the Myakka River State Park. These changes have been the result of "turning off the pipes" leading from the wastewater treatment systems to the bays and the gulf in favor of reuse and recovery through irrigation systems, land spreading, and agricultural reuse. It is important, however, that proper maintenance and control procedures be implemented so the facilities operate as designed.

Also during the past year, the Wingate Creek Mine has been sold. This phosphate mine is located on Wingate Creek, a tributary of the Myakka River in Manatee County. The new owners of the mine stated that they hope to restart the mine soon. This could be a source of elevated phosphate levels in the Myakka. Mining near the headwaters could also result in downstream increases in turbidity.

The Myakka River Basin Project has begun to act as both a collector and a disseminator of information about the watershed. The project office has established computer links with the STORET¹ and ADAPS¹ databases for access to current and historical data on the watershed. These lines will also allow the exchange of project data with other interested parties. The data collected is organized into a database that can be accessed by geographic coordinates, providing high transferability for the future GIS system. The project GIS system, being developed by South West Florida Water Management District and the Soil Conservation Service, will provide accurate and up-to-date information to policy and decision making agencies.

Through participation in the Myakka River Management Coordinating Council meetings, the project has provided input for a draft Management Plan and established links to citizens concerned about the future of the Myakka River. The citizens will be important in developing a Citizens' Monitoring Network for the Myakka River during Year 2 of the project. Through data collected and work done during Year 1, a second salinity source (Curry Creek) for the Myakka River has been identified. This information will be important in assessing the impacts of the man-made drainage systems and consumptive use applications in the watershed.

As Southwest Florida continues to grow, more and more demands will be placed on the Myakka River. These demands will come in many forms; from the need for a potable water source to the need for a protected wildlife corridor. With the knowledge gained and accumulated during the first phase of this study, it will be possible to make recommendations for water quality and quantity standards for the river, and to begin to formulate plans for recommendations for stormwater control and growth management in the watershed.

1

The STORET database was established by the EPA and contains ambient water quality data for the entire nation. The ADAPS database was established by USGS and contains groundwater level data as well as water quality and quantity data for surface waters.

MYAKKA RIVER BASIN PROJECT

Final Progress Report

This final report is being submitted pursuant to DER Contract No. CM222 Section 6B. It includes a summary of activities conducted to date by Task designation.

Task 1. **Compile/Summarize Information and Project Refinement.**
Most of this task is tied to the GIS work that will be done by South West Florida Water Management District and SCS. Task 1B (i.e. compiling existing water quality data) is being done by county staff, and the status is as follows:

Data collected by the Environmental Services Laboratory is available on disk for just the past three (3) years. However, their data have been reported to STORET in bench record format for the past ten (10) years. The bench record sheets are being entered by Department of Environmental Regulation staff. In order to gain better access to these data, County Ecological Monitoring Division Staff has established a STORET account and computer link. The link will provide the ability to download data directly to the project computer as well as input data from the project. STORET, as a central repository for state-wide ambient water quality data, provides other programs with access to our data, as well as access for our program to other relevant data. After proper QA review, these types of links and open access to data will be the building blocks of future management strategies. Historical data and trends can provide the basis for projections and supportable management decisions.

On 12/11/89, the Department of Environmental Regulation issued a permit to the City of Venice allowing discharge from the new Advanced Wastewater Treatment Plant (scheduled to go on line in 1991) into Curry Creek. Discharge of 1.5 MGD has been permitted for a total of 63 days per year (2.3 days in July, 2.9 days in August, and the remaining days in December, January and February). On 1/19/90, a presentation relating to effluent discharge into Curry Creek was made at the Myakka River Management Coordinating Council meeting. The presentation was made by John McLane, Manager, City of Venice, and Mike Heyl and Tom Walker,

both of Camp, Dresser and McKee, Inc. It included an overview of the model used to predict potential impacts of effluent discharge into Curry Creek, and a statement that the model predicted minimal negative impact to the receiving waters, as required by the Grizzle-Figg Rule. The model used, although tidally influenced, only showed flow direction in the creek towards the west and Roberts Bay. However, several lines of independent evidence indicate that, at least during part of the year, flow is towards the Myakka River. First, Mote Marine Laboratory's biological survey conducted for Task 5 indicates the occurrence of euryhaline taxa in the area upriver of Snook Haven (Station 7). Second, USGS synoptic tide and current measurements indicate that the direction of flow in Curry Creek at Jackson Road is towards the Myakka River. Finally, Dr. Siler's (of Mote Marine Laboratory) salinity model for the Myakka River does not track the relatively high salinities found in field studies between I-75 and Snook Haven in field studies. Items of interest pertaining to the discharge of effluent into Curry Creek are included in Appendix 1. Situations such as this, where permits are issued, or decisions are made without the best or most up-to-date data point out the need for coordination and communication among the various agencies making the decisions. An easily accessible database, organized by basin, could play a prominent role in meeting those needs.

During the course of the year, County staff have identified several other areas with a high potential for negative impact in the Myakka River Basin. These areas include:

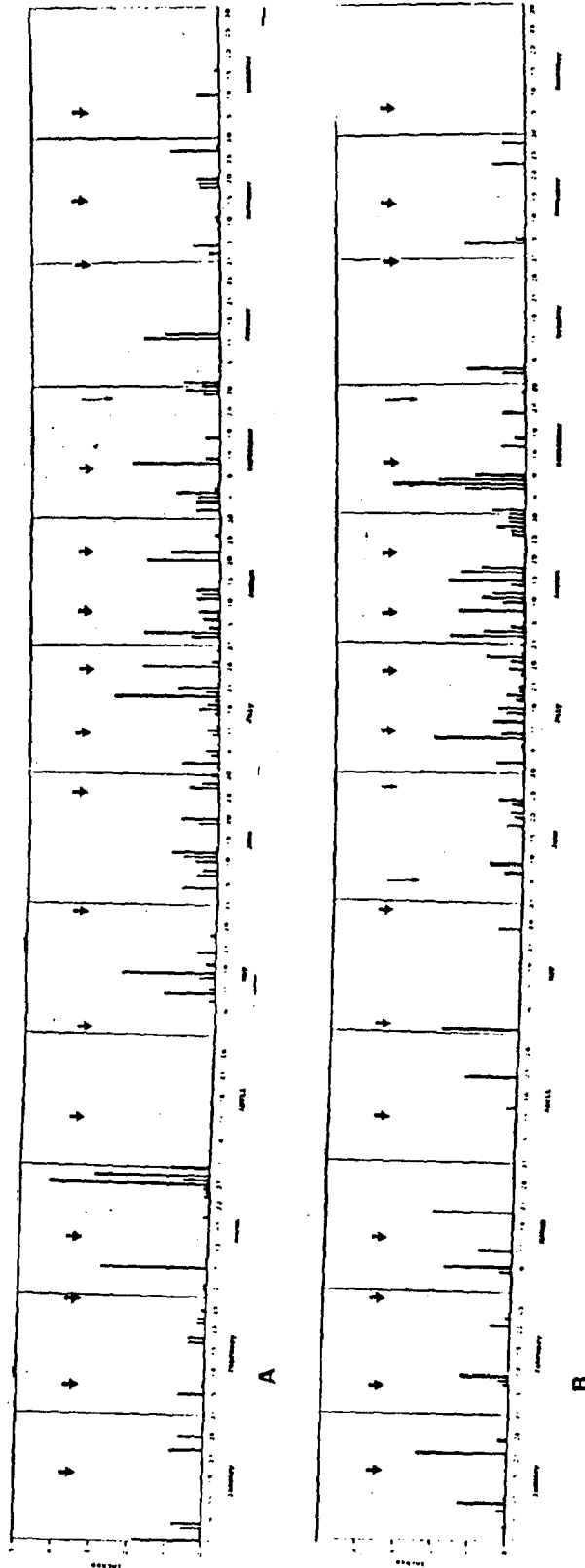
1. Phosphate Mining at Horse Creek - A strong potential exists for the reopening of phosphate mines in the area of Horse Creek in Desoto County¹. Phosphate mining activity in Horse Creek could impact the Big Slough system, which drains into the Myakka River.
2. Phosphate Mining at Wingate Creek Mine - Similarly, phosphate mining may start up in the area of Wingate Creek. Wingate Creek enters the Myakka River approximately seven (7) miles north of Myakka City.

3. City of Sarasota's Ridge and Furrow System - This project involves effluent disposal on the Hi Hat Ranch. This site is near Howard Creek, a tributary of the Myakka River that enters at Upper Myakka Lake.
4. Spreading of Grade II Sludge - Sarasota County's Pollution Control Division received a permit application for spreading grade II sludge in an area North of Upper Myakka Lake.
5. Wastewater Reclamation on the T. Mabry Carlton Jr. Memorial Reserve - As part of Sarasota County's Water Recovery/Recycling Program, it is possible that highly treated wastewater will be used for wetland restoration and ground water recharge on the Reserve. This plan includes discharge of water into Deer Prairie Slough, and/or the Myakka River.
6. Development along Charlotte Harbor and the lower Myakka River - Currently there are at least five (5) permits in review for subdivision development along the shores of Charlotte Harbor.

Task 2. **Mapping, Management Evaluation and Data Management Systems.** This GIS task is being accomplished through a cooperative agreement between the County and the South West Florida Water Management District, with the assistance (on the soils layer) from the Soil Conservation Service. Aerial photography contracting is complete and SCS is in the process of providing soils data input.

Task 3. **Establish Hydrological Understanding.** This is being done under a contract between the Department of Environmental Regulation and USGS. The link between the Myakka River Basin Project computer and USGS computer in Tampa has been made via phone line through the TymNet system. County staff were trained on the use of the prime minicomputer and the ADAPS system in the Tampa office on December 12, 1989. The communication/terminal emulation software and modem are in place and working.

Task 4. **Collect Water.** The final sampling event for year 1 took place on 12/4-5/89 (see Figure 1). The total number of regular sampling events for the year was fifteen (15). In addition, three (3) storm sampling events were conducted. Data entry is current for all sampling events (see Appendix 3 and enclosed disks).



Proposed Sampling Date
 Sampling Complete
 Storm Event Sampling
 A = 1987
 B = 1988

Figure 1

Rainfall at Myakka River State Park 1987 & 1988 with
 sampling schedule for 1989 indicated with arrows

Task 5. **Gather Biological Data.** Mote Marine Laboratory is under contract to do this work. The botanical inventory and survey was conducted by A.F. Clewell, Inc., and Winchester and Associates (subcontractors to Mote Marine Laboratory). The field effort and data analysis are complete. A preliminary draft of the final report has been submitted (see Appendix 2). Benthic sampling for 1989 has been completed. Identification and preliminary data analysis for the April and September collections has been made (see Appendix 2). Densities of oligochetes and chironomids declined at all stations from April to September. Many euryhaline taxa (polychaetes and crabs) were found at Station 7 during September, indicating "an undetected significant saline influence." The plans for Year 2 of the Myakka River Basin Project include another biological sampling and analysis by Mote Marine Laboratory on February 5 and 6, 1990. The final report for this task will then include the results of a full year of analyses.

Task 6. **Lab Analysis.** Mote Marine Laboratory has completed data analysis for the remaining sampling events (i.e. 8/21/89-12/5/89), and has received all remaining particulate nitrogen and carbon results from their subcontractor, the South West Florida Water Management District laboratory. Data entry is currently underway and should be completed in February.

APPENDICES

APPENDIX 1

Curry Creek

SARASOTA COUNTY GOVERNMENT
ECOLOGICAL MONITORING DIVISION
INTER OFFICE MEMORANDUM

TO: Jeffrey L. Lincer, Ph.D., Director, Ecological Monitoring
FROM: Susan Lowrey, Coordinator, Water Quality Monitoring
DATE: December 29, 1989
RE: Discharge of treated effluent into Curry Creek

On 12/21/89, I received a phone call from Mr. Phil Segerstrom, a resident of Sarasota County. Mr. Segerstrom voiced strong concerns about the possible detrimental effects of the now permitted discharge of treated effluent into Curry Creek. On 12/11/89, the DER permitted discharge of 1.5 MGD into the creek from the City of Venice's new STP, scheduled to go online in 1991. There was an article in the Sarasota Herald-Tribune on 12/19/89 concerning this action and the concern of some local residents about the action. I have included a copy of this article for your information.

As I checked further into the background of the story, I found several interesting facts that you may also find of interest. Dr. Siler's Myakka River salinity model as it is at this time fails to predict the relatively high salinities found at Snook Haven and upriver to the vicinity of I-75 bridge. One of the objectives of the USGS's synoptic tide and current measurements of the Myakka River in September and November, was to help clarify this point. Kathy Hammett says that the early data from the September measurements shows that even at the high discharge rates that prevailed during the measurement (500 cfs), the direction of flow at Jackson Road was towards the Myakka. I requested a copy of that data. Kathy feels that Curry Creek acts as a second source of salinity for the Myakka (via Roberts Bay).

I also spoke with Tom Walker of CDM. Mr. Walker is the project manager and had more particulars on the proposed discharge. The discharge site is where Auburn Road crosses Curry Creek. It is about 3000 feet east of I-75, and about 1.5 miles east of Jackson Road. He said the quality of the effluent would meet Florida DER's 5-5-3-1 rule. The main plan for the effluent is reuse on golf courses and for other irrigation purposes, and the discharge to the creek was only to occur when and if the reuse water was not needed. DER did permit the discharge for 63 days per year. Interestingly enough, of those 63 days, less than 6 are during the summer rainy season. The other permitted discharge days are during the winter. CDM used a 2-D model for prediction of the fate of the effluent in the creek. The model is not very complex and only makes provisions for flow in one direction...towards Roberts Bay.

Mote Marine Laboratory's preliminary findings for the biological assessment of the Myakka River, particularly in the area upriver from Snook Haven, would also support a second source of salinity in that area. "Station 7 tended to include many euryhaline taxa (polychaetes and crabs) in September with a definite decline of oligochaetes and chironomids. The results indicate that an undetected significant saline influence had affected the downstream study area for a substantial period of time allowing for the colonization of these oligo-mesohaline taxa" (from the December 1989 progress report).

Mr. Segerstrom was referred to our office by Jean Ost. He also spoke to Steve Martin of DNR about the permit. Lois Jones spoke at the last MRMCC meeting about the imminent issuance of the permit. I feel that these facts would be of interest to the Council. I also feel that the situation needs further study to get the complete picture and to accurately assess the potential impacts on the Myakka River.

TUESDAY, DECEMBER 19, 1989

State Gives Venice OK to Dump Treated Sewage Into Curry Creek

By JAN ANGILELLA
Staff Writer

Venice officials have received permission to dump 1.5 million gallons of treated sewage into Curry Creek every day for part of the year once the city's new treatment plant begins operating in 1991.

The plan, approved Dec. 11 by the state Department of Environmental Regulation, allows the city to pump treated sewage from its new plant onto Knight's Trail Park, Venice-area golf courses and the Waterford subdivision most of the year. But it also allows the city to dump the sewage into Curry Creek, which flows from Roberts Bay to the Myakka River, for 63 days during the rainy season if the golf courses become saturated.

The new treatment plant is scheduled to be operating by March 1991, so the dumping into Curry

Creek, if it is necessary, wouldn't begin until July 1991, said project manager Tom Walker of Camp, Dresser and McKee, the engineering consultants for the Venice project.

But two Venice residents are questioning the city's plans, saying the dumping could damage the creek and possibly pollute Roberts Bay and the Myakka River.

"I see no reason for them to put it there," said Mike Shrode, who is working with James Ponder to push Venice officials to explore other alternatives. "I just get worried anytime the government starts messing with the waterways and the environment around here."

A DER official said Monday the department gave the city a permit to dump the treated sewage into the creek because it will be extensively treated beforehand. "The discharges will have advanced

waste treatment," said Ed Snipes, a permitting engineer with the DER.

Walker even went so far as to say the dumping could actually improve the water quality of the creek, which he described as somewhat stagnant and the recipient of polluted storm runoff. "The water we'll be pumping will be of better quality than the water already in the creek," he said.

Shrode and Ponder recently met with Venice Utilities Director John Lane and City Manager John Maclean to raise concerns about the plan.

"My objection is putting it to the only feed into the Myakka River, when we're saying the Myakka River should be protected," Ponder said. The Myakka River is protected from pollution under the state's Outstanding Florida Waters program.

APPENDIX 2

**Botanic Survey and Benthic Species List
Task 5**

Part A
Botanic Survey

MYAKKA RIVER BASIN BIOLOGICAL STUDY--BOTANICAL SURVEY

METHODS

I. Wetlands Bordering Benthic Transects

Nine vegetation transects were established perpendicular to the river and extend from the river's edge to just inland of the riverine wetland. The transects correspond to the MML benthic transect stations, and are centered on the permanent transect markers placed by MML. Locations of the transects are indicated on the vegetation map produced by AFCI as T1-7. In addition to the seven MML stations, a pipeline control station was selected just upstream of the pipeline transect (T5), and transects were placed on both east and west sides of the river (PCE and PCW) at this station. It was also intended that the pipeline crossing be sampled with transects on both sides of the river. However, the east bank of the river at the pipeline crossing extends vertically from the water's edge to palmetto uplands, so no vegetation sampling was done on the eastern bank. With the exceptions of the pipeline and pipeline control transects, all transects were placed on the east side of the river. At each of the transects, the following data was collected:

A. Topographic Profiles.

Elevations were taken at intervals of 25 ft. Additional elevations were made within these intervals to depict topographic discontinuities, such as levees and

sloughs. Elevation data were measured to the nearest 0.1 ft using a level and rod, and are based on an elevation of 0.0 ft at the water's edge. The exact length of each profile varies. The lengths of the transects varied from 0.0 (the eastern bank of the pipeline crossing) to 850 ft (T1). The palmetto line marks the boundary between the wetlands and the uplands.

B. Woody Plant Species Density and Basal Area.

A series of 25 by 25 ft quadrats was established at each transect, centered on the topographic profiles, and extending the length of the profile. The terminal quadrats have a length of 25 ft or less. All woody plant species with diameter at breast height (dbh) of 1 inch or more were tallied and trees with dbh of 4 ins. or more were measured to determine basal area.

B. Vascular Plant List.

All vascular plant species present were listed for each quadrat along the transects. The lists were compiled to summarize all species in all transects.

C. Overall vegetation cover.

A visual estimate of the overall percent cover in the arboreal and undergrowth strata was made for each quadrat and averaged into a values for each of the transects.

II. Shoreline groundcover transects

In addition to the vegetation transects bordering benthic transects, 27 shoreline inventory stations were selected at intervals, between, and including, T1 and T7.

The shoreline inventory stations are designated by the number for the MML transect immediately upstream. For example, vegetation transects 4-1, 4-2, and 4-3 lie between MML transects T4 and T5, and 5-0 occurs at transect T5. All of these stations were located on the east side of the river, except for 6-1 which was located on north side of Curry Creek where it joins the Myakka River. In addition, two additional shoreline stations were selected on both sides of the river at the pipeline control transect.

At each shoreline inventory station, non-arboreal species abundance was quantified by recording species occurring at point intercepts at 1-ft intervals along 3 parallel, 25 ft long lines that extended perpendicularly from the river's edge. The method used provides data compatibility with a previous MML study on the Myakka River below I-75.

III. Vegetation Reconnaissance and Map.

While moving between sampling stations, general reconnaissance of the vegetation was done along the river corridor, from Snook Haven to the dam below Lower Myakka Lake. Written and taped notes were incorporated into a Narrative Report (Appendix XX) and a Draft Vegetation Map (Appendix XX). See the appendices for exact methodology used.

Field work was carried out by Brian Winchester of Winchester Environmental Associates (WEA), and Reed Beaman

of A. F. Clewell, Inc. (AFCI) on 28 June - 1 July, 1989 and by Andre Clewell and Reed Beaman on 26-27 July 1989.

RESULTS

The forest along the Myakka River contained five overstory tree species: Pinus eliottii (slash pine), Quercus laurifolia (laurel oak), Quercus virginiana (live oak), Sabal palmetto (sabal palm), and Ulmus americana (American elm). The common understory trees include Cephalanthus occidentalis (buttonbush), Fraxinus caroliniana (pop ash), Gleditsia aquatica (water locust), and Salix caroliniana (willow).

Table XX shows woody species density in the vegetation transects bordering benthic stations for species 1 inch dbh or more. To make data from different size transects comparable, tree density is given in number of trees per acre, and the sample size for each transect is noted. Overall density for all transects was 382 trees per acre. Table XX shows basal area values per acre for species with 4 inch dbh or more. Sabal palmetto was not included in basal area measurements.

Relative densities of groundcover species based on the shoreline inventory intercepts are presented in Table XX. The species are arranged by overall relative density for all 27 transects. Relative density for species present within each shoreline inventory transect is tabulated. The occurrence of intercepts without vegetation (bare soil or

leaf litter) was included in the calculations of relative density, and was significant for most transects. Herbaceous species with overall relative densities above 1.0 percent include: Axonopus affinis, Brachiaria mutica, Cassia nictitans, Coreopsis leavenworthii, Cynodon dactylon, Cyperus spp., Digitaria serotina, Ludwigia repens, Lythrum flagellare, Panicum hemitomon, Paspalum caespitosum, Paspalum notatum, Phyla nodiflora, Pluchea odorata, Polygonum punctatum, Tripsacum dactyloides, and Vigna luteola.

In addition to the tree and herbaceous species, there are undergrowth shrubs, lianas and epiphytes locally common as associates in the hydric hammock. All species encountered in the study area are listed alphabetically in Table XX and by life-form in Table XX. These lists include not only species that occurred within sample areas, but throughout the entire river basin from Snook Haven to the dam below Lower Myakka Lake.

Epiphytes were abundant in the river basin. However, the species richness (nine species) is low this far north of the everglades and a true tropical climate.

DISCUSSION

Hydric Hammock

The hydric hammock, as defined by Vince et al. (1989), is a vegetation type generally uncommon outside of Florida. Stands of hydric hammock occur in Georgia near Savannah in

the Atlantic coastal plain. In Florida, hydric hammocks tend to occur in the northern half of the Florida peninsula just interior to the salt marshes that dominate the coastal zone along the Gulf of Mexico, and on the Atlantic coast, along the west bank of the upper St. Johns River and just inland of the coastal dunes.

Vince et al. (1989) sampled hydric hammock on Shep's Island in Myakka River State Park along Upper Myakka Lake (pp. 25-26, photo p. 27). For Shep's Island, they list five tree species. These five species occurred in the present study area as well. In addition, we noted Pinus elliotii as an occasional species, but it did not occur in any of our transects. Viburnum obovatum and Salix caroliniana are understory trees that did occur in the transect areas, but were not listed for the Shep's island study. Tree density for the Shep's Island study is given as 302 trees per acre (converted from 747 trees/ha), a value comparable to tree densities shown for the transects in Table XX.

Species that are typical of hydric hammock in the northern part of the state but are notably absent along the Myakka River include Liquidambar styraciflua (sweetgum), Pinus taeda (loblolly pine), Quercus nigra (water oak) in the overstory, and Carpinus caroliniana (ironwood) in the understory. The Myakka is south of the known ranges of the above species. Also, it is notable that the Myakka River is in a crescent along the southwest Florida coast that lacks any cypress.

Although hydric hammock is the only vegetation type that can be mapped at the scale used (1:7200), there is substantial, yet gradual change in the river between T4 and T5. Vince et al. (1989) called all hydric hammock wetlands. This is not true in the Myakka basin, particularly below T5. Downstream from T4 the hydric hammock community is mesic, and largely set back from the well incised river channel. Above T5, the hydric hammock is truly hydric, dominated by laurel oak, American elm and sabal palm. These could not be mapped as two vegetation types, owing to overlap in species and the intermixing of types along the with vagaries of elevational variation. For instance, the live oak becomes relegated to occasional topographic highs and the upland edges. The occurrence of these vegetational irregularities results in the formation of mini-communities within the one large hydric hammock community. Individual characteristics of three of these minor community types (sloughs, marshes and point bars) are discussed below.

Sloughs

The popash, willows, and water locusts inhabit the frequent shallow sloughs found throughout the river channel. Popash often grows densely around the mouth of the slough. Water locust is usually found back in a ways from the river channel. The sloughs downstream of T5 tended to have broad shallow marshes at their mouths, and contained species such as Crinum americanum, Hymenocallis, and Carex gigantea along

the shoreline. These species were seen much less frequently upstream of T4.

Larger oxbows with more open water were often filled with dense floating mats of pickerelweed (Pontederia cordata), intermixed with Salvinia and Scirpus cubensis, also floating. These impenetrable floating mats frequently covered areas of two to three acres, and appear as a bright crimson on color-IR aerial photos.

Marshes

Marsh vegetation characterized several of the shoreline transects especially those downstream of Border Road. The blue paspalum (Paspalum caespitosum) was often a dominant in this habitat, especially in transects 5-1 and 6-1. Other species commonly found as part of this association include: Acrostichum acrostichoides, Blechnum serrulatum, Hymenocallis, Osmunda regalis, Pluchea odorata, Rumex verticellatus, Sagittaria lancifolia, Scirpus validus, Spartina bakeri, and Typha.

The species listed above were not seen commonly above rocky shoals. It is noted in the narrative that the blue paspalum and the bulrush were not seen upstream of segment 35. The marshes farther upstream are smaller, less diverse, and more relegated to the shoreline where they compete with willows and other woody species.

There is a large marsh just above the dam that marks the northern boundary of the study area. Species

composition was not recorded for this marsh because it is out of the study area. The water impoundment caused by the dam probably had a significant causal effect toward the formation of a marsh above the dam.

Point Bars

Point bars along the river in the study area are typically underdeveloped and often overgrown by mature oak-palm forest rather than by the expected willow. Again, the dam as well as the two lakes upstream could be trapping sand that would otherwise move downstream and cause the point bars to grow.

CONCLUSIONS

The Myakka River from just downstream of I-75 up to the dam below Lower Myakka Lake is all one plant community type, the hydric hammock. Although the Myakka hydric hammock is comparatively depauperate of species compared to other plant communities occurring in Florida, it is far from being a homogeneous assemblage of plant species.

Rather, microperturbations in elevation, differences in the depth of the underlying limestone, and proximity to tidal influences all affect the composition and density of both woody and herbaceous species.

Slight differences in elevational preferences between the 10 tree species occurring in this hydric hammock, give the forest a mosaic structure. Popash, water locust and

willow inhabit the shallow sloughs but surrounding this association is an oak-elm gallery with a broad canopy that hides the slough community from view in an aerial photo.

Some of the hydric species present in the hammock in upper part of the river in the study area are lacking in the lower part. In the lower (more mesic) part of the river, species such as popash (very common in the upper transects), *Gleditsia aquatica*, and *Salix carolinana*, did not occur in transects below T4.

The hard limestone bottom found upstream of rocky shoals slows the process of incising the channel. The river channel downstream is more incised and is therefore less likely to overflow its bank during high water periods. The result is a more mesic forest where the river bank is higher, below T4.

Measuring density and distribution of tree species would probably not make a good short term indicator of hydrologic variation. However, short-lived marsh and shoreline herbs present the opposite difficulty. They are too mobile, and individual species can potentially be responding to a multitude of factors, such as poor reproduction the previous year.

Changes in the species ranges within the river basin could be monitored on an annual or semiannual basis. The blue paspalum for instance, occurred upstream only as far as segment 35. Progression upstream for this species would

probably indicate higher water levels in the river; a retreat downstream would indicate a hydrological drawdown.

Rather than trying to interpret individual plant species as hydrological indicator, a more viable alternative would be to set up permanent plots within specific subcommunities, such as in the shallow sloughs and blue paspalum marshes. A linear series of small quadrats placed perpendicular to the river, sampled annually might indicate whether there is a progression of shoreline species up or down the bank.

Although vegetation composition is a useful tool in determining wetland status, it may be that in the Myakka River corridor the vegetation is so depauperate and so relegated to odd corners of the corridor that using botanical sensors alone for hydrologic alteration would be inadequate without concurrent use of benthic macro-invertebrate indicators and standard hydrological methods.

	1	3	1	1	5		0.43
Oxalis corniculata							0.43
Sabal palmetto	4				1	1	0.43
Eragrostis cf. elliotii		10					0.38
Alternanthera philoxeroides			1	1	1	1	0.33
Cephalanthus occidentalis			3		1		0.33
Chloris petrea	1	3	1		1	1	0.28
Eleocharis baldwinii						3	0.28
Eleocharis sp.						4	0.28
Myriophyllum brasiliense						8	0.28
Hydrochloa carolinensis						4	0.28
Verbena						8	0.28
Bacopa moneri					4	1	0.24
Dicot seedlings			1			1	0.24
Echinochloa					6	1	0.24
Hydrocotyle umbellata			4				0.24
Mitchella repens	1			1	1	1	0.24
Pilea			1	1	1		0.24
Viburnum obovatum						1	0.19
Dichantheium laxiflorum	1	1	1			3	0.19
Erigeron cf. quercifolius						3	0.19
Fimbristylis castanea						5	0.19
Ceratopteris							0.19
Hypericum hypericoides	3					3	0.19
Panicum dictotomiflorum		3				3	0.19
Sabatia sp.			1			4	0.19
Samolus ebracteatus			1			1	0.19
Toxicodendron radicans						1	0.19
Ampelopsis arborea	1					3	0.14
Fuirena scirpoidea						4	0.14
Lindernia grandiflora						4	0.14
Panicum hemotomum						4	0.14
Rubus betulaefolius							0.14
Sabatia calycina			1		1		0.14
Hypericum gentianoides						1	0.10
Bumelia reclinata					3		0.09
Carex spp.						1	0.09
Crinum americanum						3	0.09
Croton sp.			1			1	0.09
Hyperus haspan						3	0.09

[illegible]

TABLE ____ Tree densities by transect, and estimated percent ground and canopy cover. Trees over 1 inch dbh were tallied and adjusted by the area sampled to yield the number of trees per acre for each transect and a total for all transects.

TRANSECT:	1	2	3	4	5	6	7	PCE	PCW	ALL TRANSECTS	PERCENT RELATIVE DENSITY
Acres Sampled:	.3903	.0230	.0505	.0624	.0399	.0055	.0344	.0629	.0069	.6758	
-----Trees per Acre-----											
Sabal palmetto	277	87		96			233	286		210	54.97
Fraxinus caroliniana	100		79	64						70	18.32
Quercus laurifolia	44	174	20	64		182	29	64		47	12.30
Cephalanthus occ.	28			48						21	5.50
Viburnum obovatum	15		20	48				16		16	4.19
Bumelia reclinata				64						6	1.57
Gleditsia aquatica	2	87								4	1.05
Quercus virginiana	8									4	1.05
Salix caroliniana			3							4	1.05
ALL SPECIES	474	348	178	384	0	182	262	366	0	382	100.00
TREES IN SAMPLE	185	8	9	24	0	1	9	23	0	259	
ESTIMATED PERCENT COVER											
Overstory:	45%	50	15	15	30	35	10	37	25		
Groundcover:	20%	25	22	25	57	30	70	20	30		

TABLE _____. Basal area (square inches per acre) of tree species 4 inches dbh or more. Basal area is adjusted by the size of the area sampled, due to differences in transect length.

TRANSECT:	1	2	3	4	5	6	7	PCE	PCW	ALL TRANSECTS	RELATIVE BASAL AREA
Quercus laurifolia	510	1826	178	609		2909	261	668		527	72.89%
Fraxinus caroliniana	126		198	176						104	14.38
Quercus virginiana	79									46	6.36
Gleditsia aquatica	13	652								30	4.15
Salix caroliniana			158							12	1.66
Viburnum obovatum	8									4	0.55
ALL SPECIES	736	2478	534	785		2909	261	668		723	99.99

MYAKKA RIVER FLORA (ALPHABETICAL LIST)

Acrostichum aureum
Aeschynomene americana
Alternanthera philoxeroides
Amaranthus floridanus
Ambrosia artemisiifolia
Ampelopsis arborea
Andropogon virginicus
Asclepias perennis
Axonopus affinis
Baccharis halimifolia
Bacopa monnieri
Bidens laevis
Blechnum serrulatum
Boehmeria cylindrica
Brachiaria mutica
Bumelia reclinata
Carex cf. gigantea
Carex sp.
Cassia nictitans
Centella asiatica
Cephalanthus occidentalis
Ceratopteris
Cicuta mexicana
Clematis virginiana
Conoclinium coelestinum
Coreopsis leavenworthii
Crinum americanum
Croton sp.
Cuscuta sp.
Cynodon dactylon
Cyperus haspan
Cyperus ligularis
Cyperus oderatus
Cyperus retrosus
Cyperus strigosus
Cyperus surinamensis
Desmodium incanum
Dichanthelium laxiflorum
Dichanthelium sp.
Dichromena colorata
Digitaria serotina
Diodia teres
Diodia virginiana
Echinochloa sp.
Eclipta alba
Eleocharis sp.
Eleocharis baldwinii
Eleocharis vivipara
Encyclia tampensis
Eragrostis cf. elliotii
Erectites hieracifolia
Erigeron cf. quercifolius

Eryngium baldwinii
Eupatorium capillifolium
Eupatorium compositifolium
Eustachys petraea
Fimbristylis castanea
Fraxinus caroliniana
Fuirena scirpoidea
Galactia macreei
Galium sp.
Gleditsia aquatica
Hydrochloa caroliniensis
Hydrocotyle ranunculoides
Hydrocotyle umbellata
Hydrolea corymbosa
Hymenocallis sp.
Hypericum gentianoides
Hypericum hypericoides
Hypericum mutilum
Hyptis alata
Ilex decidua
Juncus megacephalus
Lechea sp.
Lemna obscura
Lepidium virginicum
Leucothoe racemosa
Lindernia grandiflora
Ludwigia octovalvis
Ludwigia peruviana
Ludwigia repens
Lythrum flagellare
Micranthemum umbrosum
Mikania scandens
Mitchella repens
Muhlenbergia capillaris
Myrica cerifera
Myriophyllum aquaticum
Osmunda regalis
Oxalis corniculata
Panicum dichotomiflorum
Panicum hemitomom
Paspalum caespitosum
Paspalum notatum
Paspalum vaginatum
Phlebodium aureum
Phyla nodiflora
Pilea cf. microphylla
Pinus elliottii
Pluchea odorata
Polygala sp.
Polygonum punctatum
Polypodium polypodioides
Polypreum procumbens
Pontederia cordata
Portulacca pilosa

Psychotria nervosa
Ptilimnium capillaceum
Quercus laurifolia
Quercus virginiana
Rhynchospora sp.
Rubus betulifolius
Rumex verticillatus
Sabal palmetto
Sabatia calycina
Sagittaria lancifolia
Sagittaria subulata
Salix caroliniana
Salvinia minima
Samolus ebracteatus
Schinus terebinthifolius
Scirpus cubensis
Scirpus validus
Serenoa repens
Setaria geniculata
Smilax bona-nox
Smilax laurifolia
Spartina bakeri
Sporobolus virginicus
Tillandsia fasciculata
Tillandsia setacea
Tillandsia usneoides
Tillandsia utriculata
Toxicodendron radicans
Trichostema dichotomum
Tripsacum dactyloides
Typha domingensis
Ulmus americana
Urena lobata
Verbena sp.
Viburnum obovatum
Vigna luteola
Vitis aestivalis
Vitis rotundifolia
Vitis shuttleworthii
Vittaria lineata

MYAKKA RIVER FLORA BY LIFE FORM

CANOPY TREES

Pinus elliottii
Quercus laurifolia
Quercus virginiana
Sabal palmetto
Ulmus americana

SMALL TREES AND SHRUBS

Baccharis halimifolia
Bumelia reclinata
Cephalanthus occidentalis
Fraxinus caroliniana
Gleditsia aquatica
Hypericum hypericoides
Ilex decidua
Leucothoe racemosa
Myrica cerifera
Psychotria nervosa
Rubus betulifolius
Salix caroliniana
Schinus terebinthifolius
Serenoa repens
Viburnum obovatum

LIANAS

Ampelopsis arborea
Smilax bona-nox
Smilax laurifolia
Toxicodendron radicans
Vitis aestivalis
Vitis rotundifolia
Vitis shuttleworthii

EPIPHYTES

Encyclia tampensis
Phlebodium aureum
Polypodium polypodioides
Tillandsia fasciculata
Tillandsia setacea
Tillandsia usneoides
Tillandsia utriculata
Vittaria lineata

GRAMINOIDES

Andropogon virginicus
Axonopus affinis
Brachiaria mutica

Carex sp.
Carex cf. gigantea
Cynodon dactylon
Cyperus haspan
Cyperus ligularis
Cyperus oderatus
Cyperus retrosus
Cyperus strigosus
Cyperus surinamensis
Dichanthelium sp.
Dichanthelium laxiflorum
Dichromena colorata
Digitaria serotina
Echinochloa sp.
Eleocharis sp.
Eleocharis baldwinii
Eleocharis vivipara
Eragrostis cf. elliotii
Eustachys petraea
Fimbristylis castanea
Fuirena scirpoidea
Hydrochloa caroliniensis
Juncus megacephalus
Muhlenbergia capillaris
Panicum dichotomiflorum
Panicum hemitomom
Paspalum caespitosum
Paspalum notatum
Paspalum vaginatum
Rhynchospora sp.
Scirpus cubensis
Scirpus validus
Setaria geniculata
Spartina bakeri
Sporobolus virginicus
Tripsacum dactyloides
Typha domingensis

FORBS

Acrostichum aureum
Aeschynomene americana
Alternanthera philoxeroides
Amaranthus floridanus
Ambrosia artemisiifolia
Asclepias perennis
Bacopa monnieri
Bidens laevis
Blechnum serrulatum
Boehmeria cylindrica
Cassia nictitans
Centella asiatica
Ceratopteris
Cicuta mexicana

Clematis virginiana
Conoclinium coelestinum
Coreopsis leavenworthii
Crinum americanum
Croton sp.
Cuscuta sp.
Desmodium incanum
Diodia teres
Diodia virginiana
Eclipta alba
Erectites hieracifolia
Erigeron cf. quercifolius
Eryngium baldwinii
Eupatorium capillifolium
Eupatorium compositifolium
Galactia macreei
Galium sp.
Hydrocotyle ranunculoides
Hydrocotyle umbellata
Hydrolea corymbosa
Hymenocallis
Hypericum gentianoides
Hypericum mutilum
Hyptis alata
Lechea sp.
Lemna obscura
Lepidium virginicum
Lindernia grandiflora
Ludwigia octovalvis
Ludwigia peruviana
Ludwigia repens
Lythrum flagellare
Micranthemum umbrosum
Mikania scandens
Mitchella repens
Myriophyllum aquaticum
Osmunda regalis
Oxalis corniculata
Phyla nodiflora
Pilea cf. microphylla
Pluchea odorata
Polygala sp.
Polygonum punctatum
Polypremum procumbens
Pontederia cordata
Portulacca pilosa
Ptilimnium capillaceum
Rumex verticillatus
Sabatia calycina
Sagittaria lancifolia
Sagittaria subulata
Salvinia minima
Samolus ebracteatus
Trichostema dichotomum

Urena lobata
Verbena sp.
Vigna luteola

VEGETATION MAP

A. F. CLEWELL, INC.
1989

This map shows the Myakka River and the extent of its riverine vegetation from Snook Haven to the dam below Lower Lake Myakka, Sarasota County, Florida.

Only one vegetation type can be mapped at this scale: HYDRIC HAMMOCK, as defined by Vince et al. [The Ecology of Hydric Hammocks: A Community Profile, 1989, U.S. Fish Wildl. Serv. Biol. Rep. 85(7.26), 81 pp.].

Numerous sloughs interrupt the Hydric Hammock. The sloughs often contain dense growths of shrubs and small trees, such as popash, buttonbush, and willow. These growths, in turn, are often covered by a gallery of overhanging oaks typical of the Hydric Hammock. Numerous small patches of marsh occur along the shoreline.

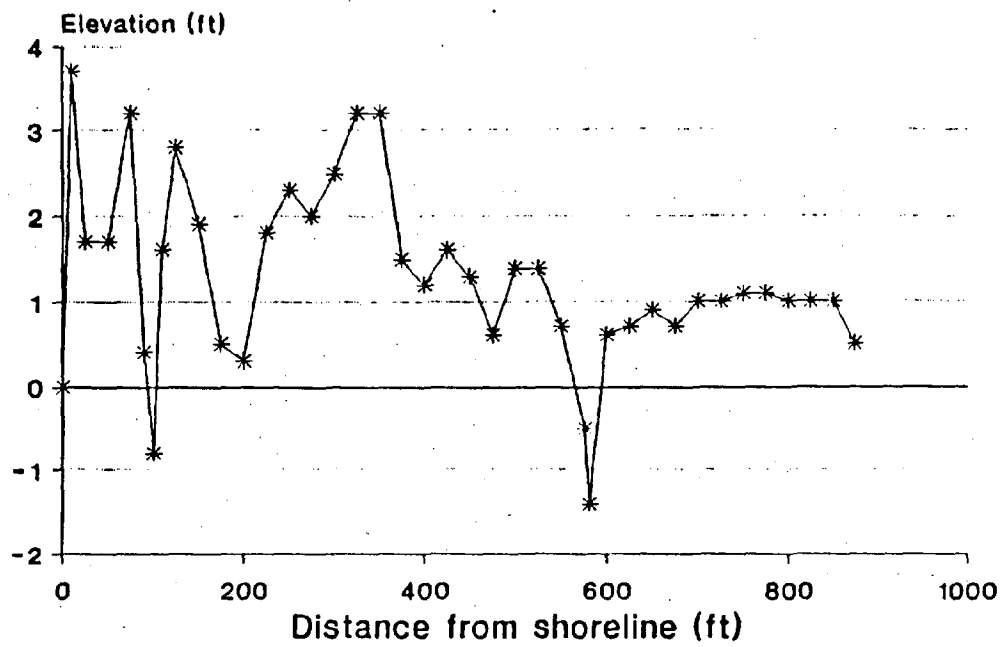
Several sloughs contained expansive floating mats of pickerelweed, with bulrush (*Scirpus cubensis*) and a floating fern (*Salvinia minima*) growing intermixed. The locations of several mats are shown.

This map was traced from four USGS aerial photographs dated June and August, 1975 (Scale: 1:7200), prepared by Kucera & Associates, Inc. The extent of the Hydric Hammock was determined by Brian Winchester from interpretation of these photos and the integration of information from other sources. These sources were: (1) field observations, (2) examination of 1981 color infrared aerial photos supplied by Sarasota County, and (3) historic black and white aerial photos from 1948 and 1957. The older photography allowed the exclusion of mesic uplands that were once open pinelands and that have subsequently been colonized by hardwoods and palms of the Hydric Hammock community. Some excluded areas are labeled as High Hammock.

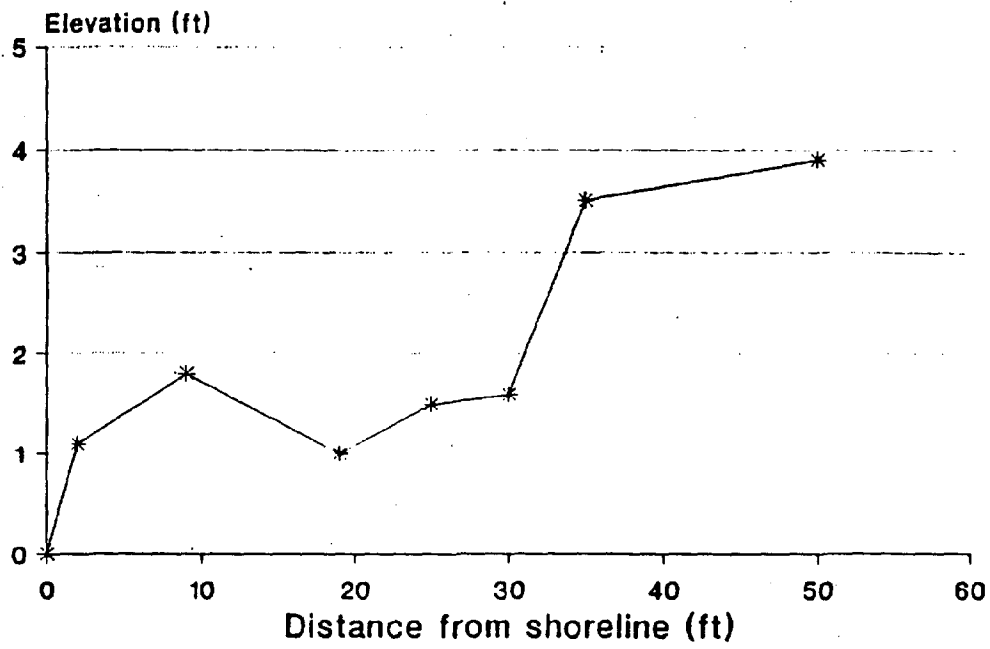
Roads, electric power transmission lines, and several other geographic features are also shown. The river was divided into 86 segments for ease in locating specific reaches. The segments below I-75 were designated by the letters A through F. The segments above I-75 were designated by numbers 1 through 80. Each is drawn to the outside of the Hydric Hammock boundary and circled.

Also shown on the map are seven Mote transect locations. They are designated as T1 through T7. Between each adjacent pair of these transects are three vegetation transects. The vegetation transects are designated by the number for the Mote transect immediately upstream. For example, vegetation transects 4-1, 4-2, and 4-3 lie between Mote transects T4 and T5.

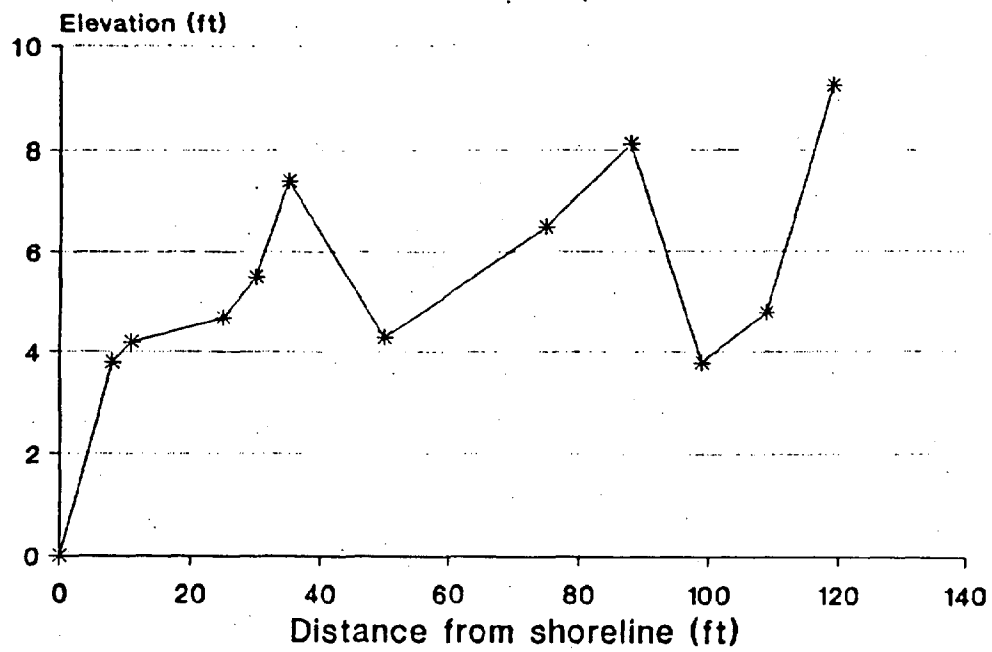
TRANSECT 1



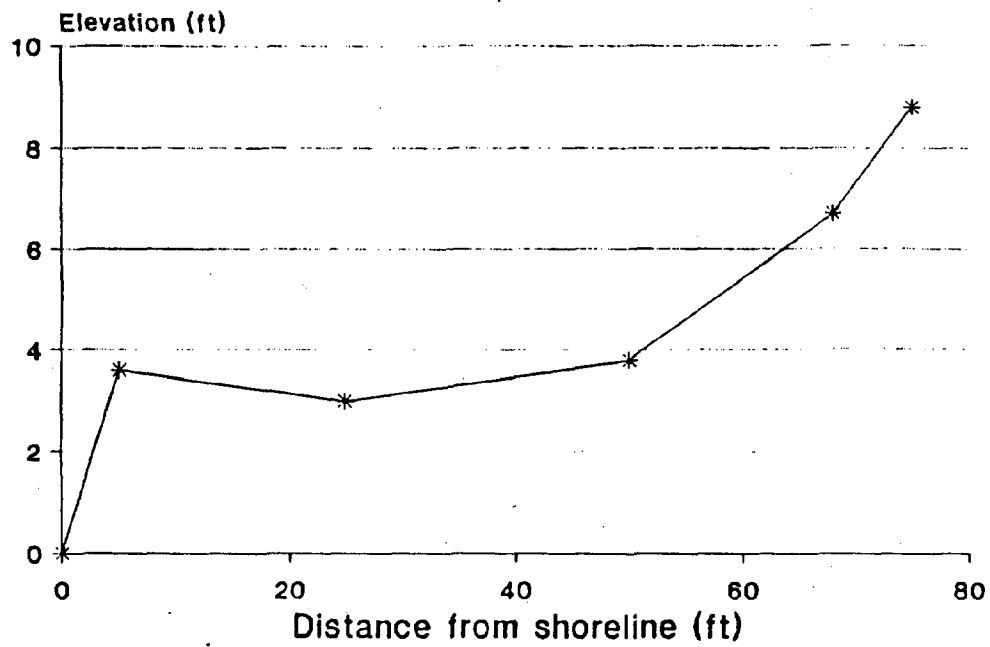
TRANSECT 2



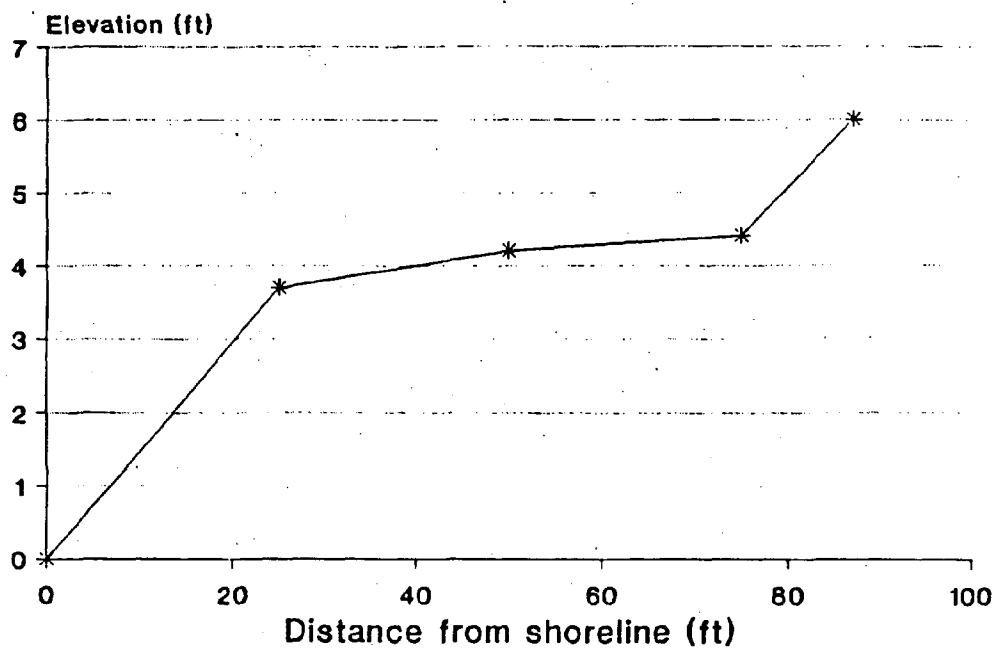
TRANSECT 3



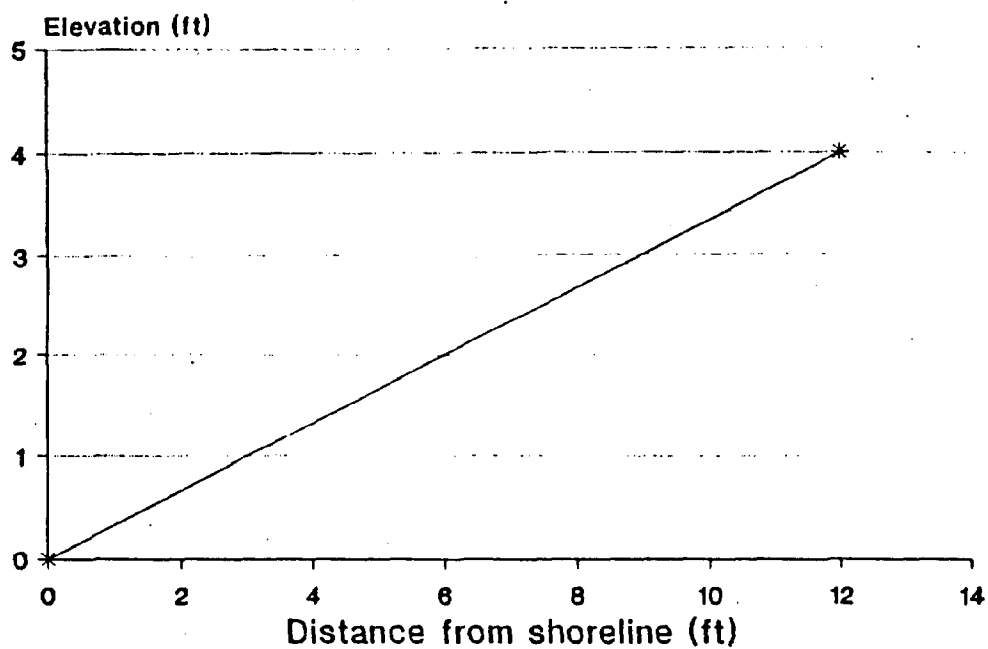
TRANSECT 4



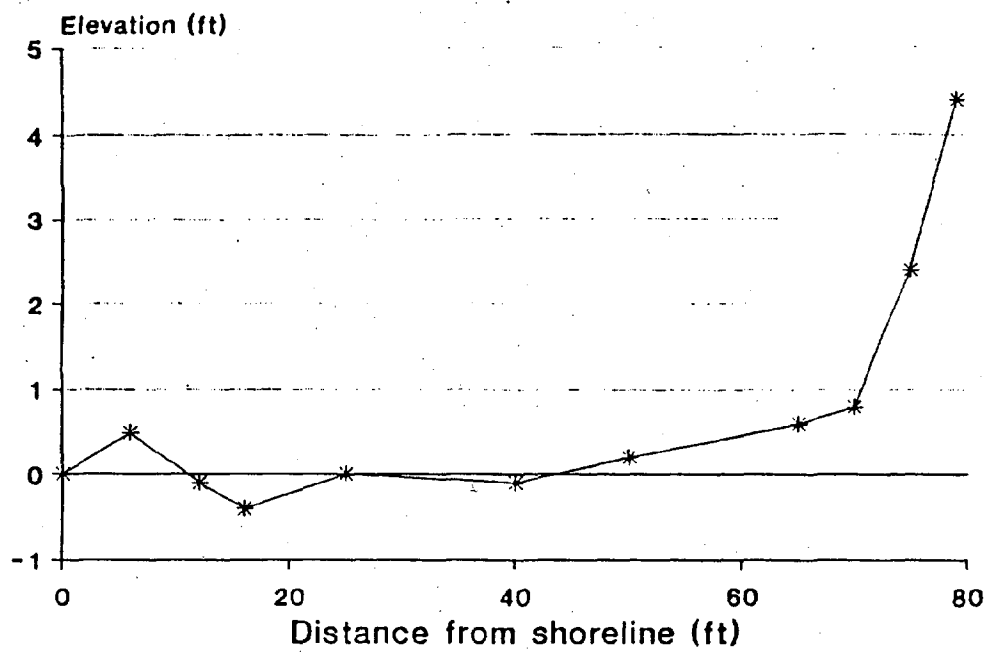
TRANSECT 5 (Pipeline--West)



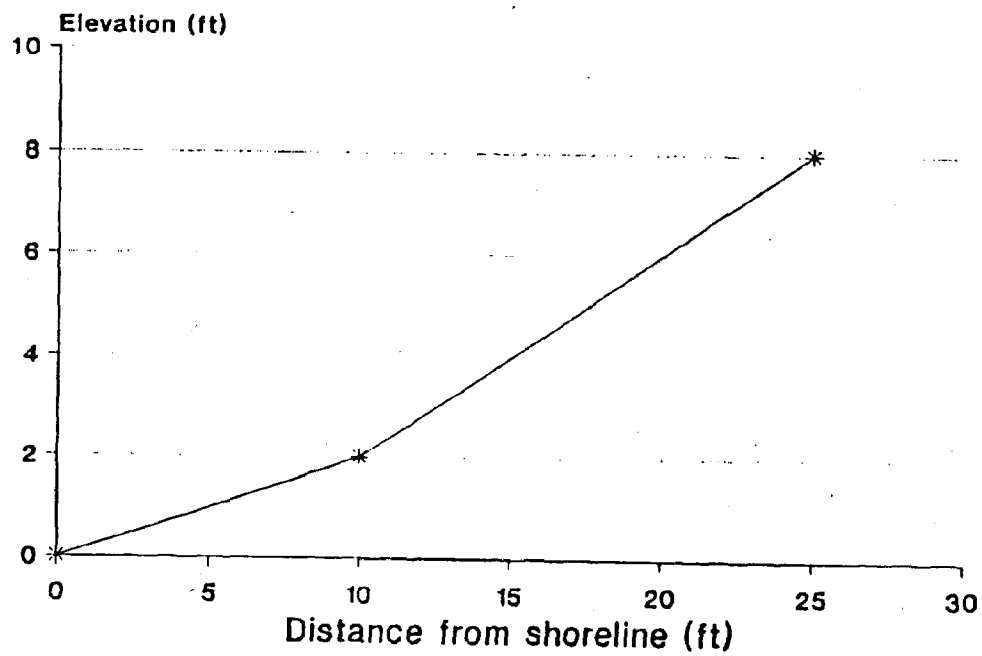
TRANSECT 6



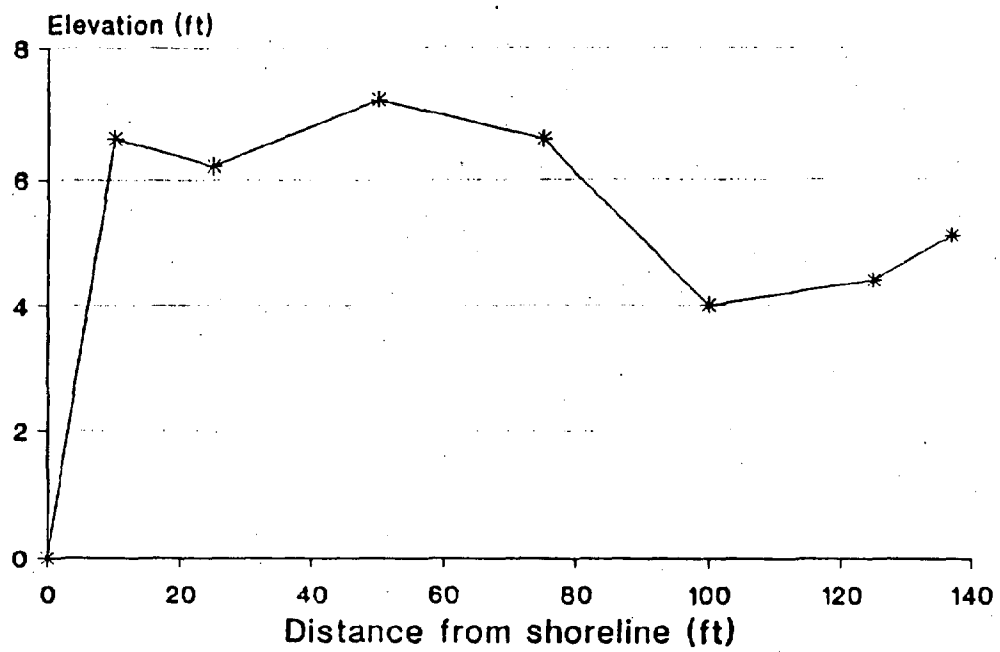
TRANSECT 7



PCW (Pipeline Control--West)



PCE (Pipeline Control--East)



MYAKKA RIVER NARRATIVE

The following narrative was dictated by A. F. Clewell into a portable tape recorder during reconnaissance by outboard motor boat from Snook Haven to the dam below Lower Lake Myakka on July 27, 1989. The narrative from the tape was revised to eliminate superfluous comments and to make it more easily readable.

In order to determine locations, the river was divided into 86 segments, labeled A through F and 1 through 80. Segments 1 through 80 are located on mylar overlays for two color infrared prints (9X9 inch) of aerial photographs that show the river from I-75 to the dam. These photographs are labeled HHC-3 and HHC-14 and are the property of Sarasota County. A copy of each overlay is appended to this narrative. Segments A through F lie between Snook Haven and I-75 and are designated on a vegetation map occurring elsewhere in this report.

Conventions used in the narrative are as follows. River segments are typed in bold face. "Right" and "left" always assume that the boat and the observer are heading upstream (towards the dam or up a slough). If a plant is named only by its genus, it belongs to species named elsewhere in the report. Often, only one species is named for a genus in the report, and thus the generic name in the narrative will belong to that species.

NARRATIVE

A Departing up river from Snook Haven. Channel is incised, with SR (= Serenoa repens, saw palmetto) growing to the edge. Forest on both sides is dominated by QV (Quercus virginiana, live oak) and SP (Sabal palmetto, cabbage palm). Much poison ivy along forest edge, and grapes (Vitis) draping down banks. Shoreline with patches of pickerelweed (Pontederia cordata) and leather fern (Acrostichum) and occasionally Tripsacum.

B Going around curve to the left, there is a slight point bar on the right side containing blue paspalum (Paspalum caespitosum) and some Pluchea.

C Steep curve to the left. Amaranthus growing on shore with blue paspalum. Houses on left bank. Forest to the right side is QV, SP, SR, interrupted by a couple of marshes of blue paspalum, Spartina bakeri, cattails (Typha), Sagittaria lancifolia, Hymenocallis, royal fern (Osmunda regalis), etc.

D Curve left. A slough enters from the right with cattails in its mouth. Then a marsh (transect site 6-3), which contains Spartina bakeri, etc.

E Cruving right. SR growing to the edge of both steep banks. Forest of QV, SP. Cassia nictitans on bank.

F Steep curve to the left. Cattails along the shore on right side. Then broad curve to the left. Vigna on bank. Low forest either side of QV, SP.

1 Forest on either side with much PE (Pinus elliotii, slash pine), mixed with QV, SP and SR growing to the edges of the steep banks. Continues in Segment 2.

3 A marsh lies on the shore in front of a house to the right side, with blue paspalum, Vigna, Acrostichum. Around a steep bend, with shoreline plants consisting of Sagittaria lancifolia, pickerelweed, blue paspalum, bulrush (Scirpus validus), cattails, Echinochloa.

4 A point bar contains much cattails, which extend into the mouth of a slough. Bulrush present.

5 Shoreline contains a little royal fern.

6 Cattails and pickerelweed growing on shore at mouth of Curry Creek. Spoil banks. Schinus seen here but no further up river.

7 Houses on right side. Forest on left side of QV, SP, a few PE, with SR to the edge of the river bank. A creek enters from the right.

8 Dense forest of QV with a tall understory of SP.

9 Steep banks with SR growing to the edges.

10 Banks are 6-8 feet tall with SR to the edges. A creek enters from the left with pickerelweed and blue paspalum along the shore.

11 A creek enters from the right, just past the bridge for Border Road. Shoreline with royal fern, pickerelweed, Panicum dichotomiflorum, and with Cassia nictitans higher on the bank.

Later, we explored the creek (slough) on the right. It was narrow. Crinum blooming. Popash line the banks. Eventually curves to the right. Carex gigantea at water's edge. Steep banks with SR.

12 A woods on low ground of QV, SP on the left. A steep, high bank on the right has SR growing to its edge.

13 Patches of shoreline vegetation, including Sagittaria lancifolia, blue paspalum, Cassia, bulrush, Echinochloa, pickerelweed, Eustachys, Panicum dichotomiflorum, Rumex.

14 Creek enters from left; its mouth has pickerelweed, Sagittaria lancifolia. A narrow levee on the left tails off into a flat of QV and SP, with an undergrowth of popash (Fraxinus caroliniana).

Later, we explored that creek (slough) on left. It was blocked off but we could see an old oxbow filled with marshy and woody vegetation, including Hymenocallis.

15 A small short slough enters from the left, interrupting the continuation of the low flat of QV, SP. High bank on right side. Also a marsh along the left with bulrush and pickerelweed.

16 Sharp curve to the left with a point bar containing SP, QV. A creek enters from the right with a broad marsh at its mouth, containing blue paspalum, Sagittaria lancifolia, etc.

17 The low woods of QV, SP continues on the left side. A low hammock is on the right side. Then houses on the left bank. Curving sharply to the right, there are willows (Salix caroliniana) on the curve.

18 A large slough enters from the left. Houses line the slough. A point bar contains blue paspalum, Sagittaria lancifolia, Vigna, Pluchea. Behind that point bar is a low-lying woods of QV and SP. A low QV-SP woods is on the right, also.

Later we explored the slough from the left. It widened and was flanked by houses. A diversion contained floating pickerelweeds & Salvinia. Only one pickerelweed plant was blooming--perhaps stimulated from effluent from septic tanks?

19 Large curve to the right (large exotic malvaceous shrub resembling Coccoloba on curve). Then a sharp curve to the left with a point bar containing willows and mixed marsh species. Blechnum serrulatum grew along the shore.

20 After a sharp curve to the right, a larger slough enters from the right. Popash grows densely in its mouth and also back a ways, with a fringe of willows, blue paspalum, and other vegetation. QV-SP continues along left side. Water locust (Gleditsia aquatica) along shore; first sighting of that species. It grows with buttonbush (Cephalanthus occidentalis). The terrain along the left side drops into a low hammock of PE, QV, SP.

21 Power line visible 200 yards ahead. A slough enters from the left with much popash. High banks on the right. There's a slight point bar on the right, just downstream of the power line.

22 A slough enters from the right with popash growing in its mouth. Shorelines contain bulrush, willows, Sagittaria lancifolia, and a marsh dominated by blue paspalum.

Later, we entered that slough on the right--actually an oxbow. Encountered a dense floating mat of sterile pickerelweeds, in which Salvinia and Scirpus cubensis were mixed.

23 Curving left, with a slough entering from the right.

Later, we explored the oxbow on the right. After 100 feet or so, we were stopped by a dense floating mat of sterile pickerelweed, which also contained Salvinia and Scirpus cubensis. This covered at least 2 acres. At the point bar at the river we collected a coarse panicum (sterile) that had the growth form of paragrass.

24 Rather high bank on the left, soon dropping into low terrain bearing a hammock of QV, SP, and a little PE.

Later, we entered the slough to the right at the downstream end of the segment. It was broad, open, pond-like. Willows on the edge and QV-SP just behind them. Patches of bulrush and Myriophyllum. The slough curved until it paralleled the river. Soon, the entire slough was covered with a dense floating mat of sterile pickerelweeds, in which were mixed Salvinia and Scirpus cubensis, both floating. This mat covered 2 or 3 acres.

25 In the downstream portion of this segment, there is a large slough entering from the left. There is a marshy shoreline with bulrush, Rumex, Mikania, and some Blechnum. Then there is higher ground with a campsite along the left bank, visible in the color-IR aerial photo. The right side has a very high bank (10 feet) at the upstream end of this segment. This is the so-called "pipeline crossing." A slough enters from the right. Curves to the right.

Later we entered the broad slough to the left. Up 75 or 100 feet from the river we encountered a dense floating mat of pickerelweeds, all sterile and knee-high, resembling water hyacinths. Much Salvinia floating among the pickerelweeds. The pickerelweeds occupied an entire channel about 150 feet wide and curved around for about 200 yards towards the pipeline crossing area. The pickerelweed was crimson on the color-IR aerial photo.

26 High bank on right side. Low hammock on left side.

27 Two broad sloughs with popash growing in them enter from the right.

28 Open water. Low hammock on either side of PE-QV-SP. Steep slopes 10 feet high on left and 4 or 5 feet on right. Some were spoil banks from channelizing. Stopped by barb wire fence across slough.

29 On both sides a low-lying hammock of QV-SP-PE. A marsh on the left shore contains bulrush, smartweed (Polygonum), and some royal fern. The terrain is more elevated on the right side farther upstream. A stream enters from the left, and its mouth contains willows and bulrush. A broad curve to the right.

30 A stream enters from the right with a little popash growing in it. Then a point bar on the right side with willows on it.

31 High bank on the left side with an exposed stratum of oyster shells. Terrain is low on the right side.

32 Terrain gets higher on the right side with SR growing to the edge and much PE in the forest behind. A slough enters from the left on a curve. On the right is a point par containing woods of QV-SP.

Later we went up a slough thought to be in this segment. It had steep sides with SR growing on them. First we took the left fork, which had rather open water. Popash grew on shore, also Polygonum, bulrush. Much popash further up, also willow, Mikania, a gallery of QV, and SR-QV-SP on taller banks. Then we returned and went up the right fork of the slough. It was a straight and narrow chute back into the river. It contained Coreopsis, water locust, buttonbush, popash.

33 A large slough enters from the right with willows in its mouth and open water behind.

34 A house on the left bank. A narrow slough enters from the left with a few popash growing in its mouth. A couple more houses appear along the left bank. Low banks on either side contain popash. A small slough enters on the left with willows in its mouth.

35 A very sharp curve to the right. Buttonbush on the left shore. Shores contain much willow and marsh vegetation.

Later, we went up a slough, thought to be in this segment, on the right side. It was broad and contained much popash. It extended 200 yards. The water was 100-150 feet across at flood stage. Much popash. Polygonum along the edges. The slough curved left, paralleling the main river stem and became thick with willows, also an extensive stand of dense popash along the side nearest the main stem of the river.

The last houses upstream on the river were just downstream of this slough. The furthestest upstream stations were about here for bulrush (S. validus) and blue paspalum (P. caespitosum).

36 Gentle curve to the left, with a large slough enetering from the right and popash in its mouth. Marshy shorelines.

Later, we went up a slough, thought to be in this segment, on the right side. 30 feet wide. Much willow and buttonbush and some popash and water locust. The slough extended behind the levee of the main river and was galleried by overhanging trees. There was a steep bank with SR.

37 Broad curve to the left with bars along either side of the river containing willows and some water locusts.

38 A slough enters from the left and contains dense popash.

39 Right bank has SR growing nearly to its edge. A narrow (50-100 ft) flood plain in front of this bank contains laurel oak (Quercus laurifolia) and QV. A slough enters from the right. Further upstream in this segment, SR grows to the edge of the high bank. The left shoreline has much willow and a slough entering.

Later, we went up a slough thought to be in this segment. It was fairly open, 30 feet wide, with some buttonbush and a gallery of laurel oak and QV. Mikania, Vigna. Left bank was steep. About 200 feet up the slough from the river the terrain broadened into a flooded flat about 200 feet wide and covered by buttonbush, water locust, willows, and SP.

40 Going around a sharp curve to the left. On both shores, much popash, willow, water locust.

41 Left side contains a laurel oak hammock with some SP. This extends a ways to the interior on a flood plain. On the right side, a low flood plain contains laurel oak, popash, some SP, and ends abruptly about 150 feet to the interior at a bank containing SR. Willows grow on the shoreline. Further upstream on the straight reach is a laurel oak hammock with undergrowth of popash and water locust. At the upstream end there is a steep bank on the right with SR and scrubby QV.

Later, we hiked through the laurel oak hammock on the left side. The overstory was shared with elm (Ulmus americana), which was nearly as common as laurel oak but not nearly as conspicuous as laurel oak from the river. High understory of SP. The land was much dissected with meander scars and abandoned sloughs. The sloughs were mostly up to about 25 feet wide and contained small trees of willows, water locust, popash, buttonbush, some Ilex decidua. Psychotria nervosa was present. A pond (oxbow?) was filled with water and popash and did not show on the aerial photo, although it occupied about one acre, because it was galleried by the oak-elm canopy.

42 A sharp curve to the left with a willow bar on the right. An island. Laurel oak hammock on the flood plain, both sides.

43 Willows common on both shores. The laurel oak hammock continues on the low flood plain. SP is scattered; popash undergrowth. Then willows occupy the flood plain on the right. Go around curve to the right.

44 A small slough enters from the left. Willows grow at its point. Then a straight reach.

45 A slough enters from the left with popash growing in its mouth. On the right side the low, broad flood plain contains a laurel oak hammock.

46 A straight reach with a high bank on the left containing SR to the edge and an open QV hammock with some SP.

47 Willows, water locust on both shores. Terrain gets higher on the right side. Left side drops into low hammock of QV-SP and some SR.

48 Both sides have much SR growing with QV and SP.

49 A slough enters from the left with buttonbush abundant in its mouth.

50 Both sides have hammock of QV-SP. SR grows on right side to the water's edge. At Rocky Ford. A road extends to both sides.

51 Curving left, a gauging station. Much SP on left side.

52 On the left, a large, mesic forested flat with much SP and some QV. Slough enters from the left with largely open water in its mouth. On the right side is a low laurel oak hammock.

53 A sharp curve to the right. A narrow slough enters from the left and angles back.

54 In the downstream reach, a low hammock flanks both sides on narrow banks. Remains low on left side with QV-SP hammock. Rises on right side and SR appears; few QV, PE. Then high hammock on both sides with SR nearly to both edges. A stream enters from the right.

55 A slough enters from the left with willows in its mouth. A narrow reach of river with high banks. SR on the right. Curves to the left.

56 On the left a low hammock of laurel oak. On the right, SR grows nearly to the edge. A slough enters from the left.

57 Curves left. Right bank is high, with SR and scattered QV. Flood plain on left has laurel oak, SP, water locust.

58 Large slough enters from the right with popash growing in it. A high hammock of QV occupies a broad flat on the left. This hammock extends to the interior about 300 feet, where it stops at a bank containing SR.

59 Curve to the right. A point bar on the right is forested with QV and laurel oak. On the left is a large hammock of SP. A broad curve to the right.

60 Straight reach with a deep flood plain on the right, containing mixed QV and laurel oak with SP forming a tall undergrowth. On the left is a flood plain forested by laurel oak and SP. Curves to the left. A narrow (10') slough enters from

the right and contains popash. Continue curving left. The low but well drained flood plain to the left contains much SP and little QV. SP and QV is also on the right side, but the land become lower and popash becomes more common. A small slough enters from the left.

61 Curve right, and narrow sloughs enter from both sides. Continuing to curve right, a large slough enters from the left; much popash swamp. The flood plain on the left side still has much SP, but hardwoods have become more common.

62 Curve to the left. Flood plains on both sides contain laurel oak and SP. Tripsacum patch seen.

63 An island at the end of Segment 62. Curving right into a straight reach. Slough enters on right side. The right side flood plain has much laurel oak that extends interior for 300 feet. Continues without much change through segment 67.

65 Flood plain either side. Much laurel oak on right side and much SP on the left side. A slough enters at the downstream end and is overhung by a gallery of QV.

67 Broad flood plain on the left side with laurel oak hammock. On the right side is mixed QV and laurel oak with SP beneath.

68 On right side, a scrubby QV forest with much SR grows to the edge. Shore contains Eustachys. The low flood plain continues on the left, with much SP and some laurel oaks in the forest. A slough enters from the right in downstream reach of this segment, and it is galleried by QV but shows up on the color-IR aerial photo.

69 As river curves left, a slough enters from the right and is covered entirely by a gallery of overhanging trees. On the left side, SR grows to the shore, and oaks grow no closer than 50 feet from the river.

70 Approaching a broad curve to the right. A small point bar 6 feet wide contains marshy vegetation. A short straight reach has a small slough entering from the right. Broad curve to the left. The broad flood plain on the left side contains laurel oak hammock with some SP. On the right, the flood plain contains QV and SP. Shore has a patch of pickerelweed.

71 A straight reach with a continuation of the same flood plain forest on the left, with much SP. On the right is our first sighting of paragrass (Brachiaria mutica). It grows next to a road crossing and an aerial photography target. Willow, popash, and water locust grow on the shores. A gentle right curve, then a straight reach with a low flood plain on either side, containing laurel oak hammock.

72 Curving left, with low, broad flood plain on both sides, clothed with laurel oak, QV, SP hammock. *Tripsacum* patch.

73 Broad, sharp curve to the right. Gallery of large willows extending into the next segment. Small slough enters from right.

74 Short straight reach with more broad low flood plain with much laurel oak, some QV, and tall undergrowth SP.

75 Curve to the left. Flood plain either side. On right side, the forest is laurel oak and SP. Sharp curve to the left.

76 Long straight reach with willows on shores. Laurel oak hammock on left side. Higher bank on right side with recently burned forest and damaged trees; SR to the edge.

77 Burned woods and SR extend a short way into this segment. River widens around a narrow island containing laurel oaks. Flats on both sides contain popash and willow on shores and laurel oak hammock on the left side. Curving a little to the left, then a straight reach with much popash on the right.

78 Sharp curve to the right. On the left side, a low hammock of QV-SP. On the right is an even lower hammock of laurel oak and SP. Transect site 1-1.

79 Steep curve to the left. Willows on the point. Right side is a flood plain with laurel oak hammock. A slough enters from the right with popash growing in it. A gallery of taller trees cover the slough. On the left the terrain is a little higher and contains QV-SP hammock.

80 Curve sharply to the right. Slough enters from the left. Gauging station on the left. Then a point bar.

81 Dam in view. Slough enters from the left 150 yards downstream from dam. We hike through the forest in the vicinity of Transect 1, about 100 feet south of dam on the right side. It is a broad flat flood plain dominated by laurel oak also containing scattered SP. Some sloughs run through the flat and are lined with popash. Much paragrass on the shoreline of the river.

Part B
Benthic Species List

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/13/89	1a	IMM. TUBIFICIDAE SP. W/O	84	67	90	53	116	72	482
4/13/89	1a	POLYPEDILUM HALTERES	11	11	16	12	67	23	140
4/13/89	1a	HYALELLA AZTECA	10	20	5	4	39	34	112
4/13/89	1a	CLADOTANYTARSUS SP.	2	5	12	2	61	29	111
4/13/89	1a	DICROTENDIPES NEOMODUSTUS	9	25	8	12	29	25	108
4/13/89	1a	TANYTARSUS SP.	7	27	13	35	5	21	108
4/13/89	1a	LIMNODRILUS HOFFMEISTERI	10	1	21	0	22	18	72
4/13/89	1a	CRYPTOTENDIPES SP.	1	4	4	4	12	10	35
4/13/89	1a	DERO DIGITATA	5	3	1	4	15	5	33
4/13/89	1a	PROCLADIUS NR. ADUMBRATUS	4	5	5	7	5	4	30
4/13/89	1a	PARACHIRONOMUS ABORTIUS/HIRTALATU	3	2	3	4	15	0	27
4/13/89	1a	CRYPTOCHIRONOMUS FULVUS	5	2	4	2	8	2	23
4/13/89	1a	ABLABESMYIA MALLOCHI	0	3	0	1	4	5	13
4/13/89	1a	PODOCOPA SP.	0	0	0	8	3	0	11
4/13/89	1a	PRISTINA LEIDYI	3	0	0	0	3	1	7
4/13/89	1a	PRISTINA AEQUISETA	0	0	0	0	6	0	6
4/13/89	1a	PARALAUTERBORNIELLA NIGROHALTERALIS	0	0	1	1	2	2	6
4/13/89	1a	CHIRONOMUS SP.	2	0	2	0	0	0	4
4/13/89	1a	DERO TRIFIDA	0	1	0	0	3	0	4
4/13/89	1a	LABRUNDINIA NEOPILOSELLA	0	0	0	1	2	1	4
4/13/89	1a	ABLABESMYIA PARAJUNTA	1	0	0	0	3	0	4
4/13/89	1a	ANCYLIDAE SP.	2	0	0	0	1	0	3
4/13/89	1a	PROMENETUS EXACUOUS	0	0	0	1	0	2	3
4/13/89	1a	THIENEMANNIELLA SP. (DAM)	0	0	0	2	0	1	3
4/13/89	1a	CERATOPOGONIDAE SP.	0	0	0	1	0	2	3
4/13/89	1a	CORYNONEURA TARIS	0	0	0	0	2	1	3
4/13/89	1a	PLANORBELLA DURYI	1	1	0	0	0	0	2
4/13/89	1a	PRISTINA SYNCLITES	0	0	0	0	2	0	2
4/13/89	1a	SPHAERIUM PARTUMEIUM	0	0	1	0	0	0	1
4/13/89	1a	PHYSELLA SP.	0	0	0	0	0	1	1
4/13/89	1a	DERO FLABELLIGER	0	1	0	0	0	0	1
4/13/89	1a	IMM. TUBIFICIDAE SP. W	0	0	0	0	1	0	1
4/13/89	1a	AULODRILUS PIGUETI	0	0	0	0	0	1	1
4/13/89	1a	DERO VAGA	1	0	0	0	0	0	1
4/13/89	1a	TANYTARSUS SP.	1	0	0	0	0	0	1
4/13/89	1a	NOTOPHILINAE SP.	1	0	0	0	0	0	1
4/13/89	1a	POLYPEDILUM CONVICTUM	0	0	1	0	0	0	1
4/13/89	1a	TANYTARSUS (PUPAE)	0	0	0	1	0	0	1
4/13/89	1a	CRYPTOTENDIPES (PUPAE)	0	0	0	1	0	0	1
4/13/89	1a	MICROTENDIPES PEDELLUS GP.	0	0	0	1	0	0	1
4/13/89	1a	ZAVRELIMYIA SP.	1	0	0	0	0	0	1
4/13/89	1a	CRICOTOPUS SP.	0	0	0	0	1	0	1
4/13/89	1a	PSEUDOCHIRONOMUS SP.	0	0	0	0	1	0	1
4/13/89	1a	SLAVINA APPENDICULATA	0	0	0	0	1	0	1
4/13/89	1a	CLADOPELMA SP.	0	0	0	0	1	0	1
4/13/89	1b	CLADOTANYTARSUS SP.	37	148	41	16	98	30	370
4/13/89	1b	IMM. TUBIFICIDAE SP. W/O	26	22	11	43	31	29	162
4/13/89	1b	POLYPEDILUM HALTERES	33	31	6	15	35	14	134
4/13/89	1b	PODOCOPA SP.	14	27	2	0	70	9	122
4/13/89	1b	TANYTARSUS SP.	3	22	21	12	41	6	105
4/13/89	1b	CRYPTOTENDIPES SP.	3	25	1	16	51	6	102
4/13/89	1b	DICROTENDIPES NEOMODUSTUS	3	24	29	6	30	10	102
4/13/89	1b	HABER SPECIOSUS	25	28	0	0	21	14	88
4/13/89	1b	CRYPTOCHIRONOMUS FULVUS	10	9	5	4	13	6	47
4/13/89	1b	LIMNODRILUS HOFFMEISTERI	15	7	1	5	14	3	45

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/13/89	1b	PRISTINA SYNCLITES	1	6	0	6	9	6	28
4/13/89	1b	ABLABESMYIA MALLOCHI	1	0	0	0	9	1	11
4/13/89	1b	PSEUDOCHIRONOMUS SP.	5	0	0	1	1	3	10
4/13/89	1b	ANCYLIDAE SP.	0	1	3	0	4	0	8
4/13/89	1b	HYALELLA AZTECA	1	0	0	2	3	2	8
4/13/89	1b	SPHAERIUM PARTUMEIUM	1	5	0	0	0	0	6
4/13/89	1b	DERO DIGITATA	0	4	0	0	2	0	6
4/13/89	1b	CERATOPOGONIDAE SP.	6	0	0	0	0	0	6
4/13/89	1b	ABLABESMYIA PARAJUNTA	0	1	2	0	2	0	5
4/13/89	1b	NILOTHAUMA SP.	0	0	0	0	2	2	4
4/13/89	1b	CRICOTOPUS SP.	0	0	0	0	3	0	3
4/13/89	1b	LAEVAPEX FUSCUS	0	0	0	0	2	0	2
4/13/89	1b	MICROTENDIPES PEDELLUS GP.	0	0	0	0	1	1	2
4/13/89	1b	PARACHIRONOMUS SP.	0	0	2	0	0	0	2
4/13/89	1b	MENETUS SAMPSONI	0	0	0	0	1	0	1
4/13/89	1b	BRATISLAVIA UNIDENTATA	0	0	0	0	1	0	1
4/13/89	1b	PARALAUTERBORNIELLA NIGROHALTERALIS	0	1	0	0	0	0	1
4/13/89	1b	OECETIS SP.	0	0	0	0	1	0	1
4/13/89	1b	PHAENOPSECTRA FLAVIPES	0	0	0	0	1	0	1
4/13/89	1b	PEDIONOMUS BECKAE	0	0	0	0	1	0	1
4/13/89	1b	PROCLADIUS NR. ADUMBRATUS	0	0	0	0	1	0	1
4/13/89	1b	NANNOCLADIUS MINIMUS	0	0	0	0	1	0	1
4/13/89	1c	IMM. TUBIFICIDAE SP. W/O	49	37	48	18	81	27	260
4/13/89	1c	POLYPEDILUM HALTERES	86	39	39	20	18	17	219
4/13/89	1c	PODOCOPA SP.	41	18	8	30	33	50	180
4/13/89	1c	CRYPTOTENDIPES SP.	21	20	29	22	21	35	148
4/13/89	1c	DICROTENDIPES NEOMODUSTUS	21	22	19	7	7	6	82
4/13/89	1c	TANYTARSUS SP.	7	12	8	6	13	27	73
4/13/89	1c	CLADOTANYTARSUS SP.	7	1	11	28	4	0	51
4/13/89	1c	HYALELLA AZTECA	12	5	1	1	16	10	45
4/13/89	1c	CERATOPOGONIDAE SP.	0	0	10	5	21	3	39
4/13/89	1c	LIMNODRILUS HOFFMEISTERI	6	2	5	3	10	1	27
4/13/89	1c	PROCLADIUS NR. ADUMBRATUS	3	5	4	1	3	5	21
4/13/89	1c	NILOTHAUMA SP.	4	4	1	2	2	5	18
4/13/89	1c	CRICOTOPUS SP.	1	2	3	5	4	3	18
4/13/89	1c	CRYPTOCHIRONOMUS FULVUS	7	1	4	4	1	1	18
4/13/89	1c	ABLABESMYIA MALLOCHI	3	3	4	0	2	5	17
4/13/89	1c	GAMMARUS PALUSTRIS	0	0	1	0	12	0	13
4/13/89	1c	SPHAERIUM PARTUMEIUM	1	0	0	1	0	8	10
4/13/89	1c	SLAVINA APPENDICULATA	0	0	1	1	2	5	9
4/13/89	1c	PARALAUTERBORNIELLA NIGROHALTERALIS	0	0	1	2	4	0	7
4/13/89	1c	DERO DIGITATA	1	0	3	0	0	2	6
4/13/89	1c	PRISTINA SYNCLITES	1	1	0	1	2	1	6
4/13/89	1c	PRISTINA LEIDYI	0	1	1	0	0	3	5
4/13/89	1c	NANNOCLADIUS MINIMUS	2	1	0	0	0	2	5
4/13/89	1c	PSEUDOCHIRONOMUS SP.	1	0	0	2	0	2	5
4/13/89	1c	ANCYLIDAE SP.	1	0	0	0	2	1	4
4/13/89	1c	PLANORBIDAE SP.	0	0	0	0	4	0	4
4/13/89	1c	MICROTENDIPES PEDELLUS GP.	0	0	2	0	0	2	4
4/13/89	1c	PLANORBELLA DURYI	2	0	0	0	1	0	3
4/13/89	1c	MENETUS SAMPSONI	0	0	0	0	2	1	3
4/13/89	1c	PHYSELLA SP.	0	0	0	0	1	2	3
4/13/89	1c	AULODRILUS PIGUETI	1	1	0	0	0	1	3
4/13/89	1c	ABLABESMYIA PARAJUNTA	1	0	0	0	1	1	3
4/13/89	1c	LARSIA SP.	0	0	1	0	0	2	3

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/13/89	1c	PEDIONOMUS BECKAE	0	0	1	0	1	1	3
4/13/89	1c	LAEVAPEX FUSCUS	0	0	0	0	2	0	2
4/13/89	1c	PRISTINA AEQUISETA	0	1	0	1	0	0	2
4/13/89	1c	ECLIPIDRILUS PALUSTRIS	0	1	1	0	0	0	2
4/13/89	1c	COELOTANYPUS SP.	1	0	0	0	1	0	2
4/13/89	1c	PARACHIRONOMUS ARCUATUS GP.	0	1	1	0	0	0	2
4/13/89	1c	LABRUNDINIA JOHANNSENI	0	0	0	0	2	0	2
4/13/89	1c	HEBETANCYLUS EXENTRICUS	0	1	0	0	0	0	1
4/13/89	1c	ELLIPTIO BUCKLEYI	0	0	1	0	0	0	1
4/13/89	1c	IMM. TUBIFICIDAE SP. W	0	1	0	0	0	0	1
4/13/89	1c	TANYTARSINI SP.	0	0	1	0	0	0	1
4/13/89	1c	BRATISLAVIA UNIDENTATA	0	0	0	0	0	1	1
4/13/89	1c	STENOCHIRONOMUS SP.	0	1	0	0	0	0	1
4/13/89	1c	OECETIS SP.	0	0	0	0	1	0	1
4/13/89	1c	CERATOPOGONIDAE SP.	0	0	0	0	0	1	1
4/13/89	1c	ASTACIDAE SP.	0	0	0	0	1	0	1
4/ 7/89	2a	POLYPEDILUM HALTERES	124	63	88	29	146	180	630
4/ 7/89	2a	IMM. TUBIFICIDAE SP. W/O	152	60	30	83	113	129	567
4/ 7/89	2a	TANYTARSUS SP.	63	55	166	66	41	86	477
4/ 7/89	2a	PODOCOPA SP.	9	74	92	114	57	98	444
4/ 7/89	2a	CLADOTANYTARSUS SP.	26	0	1	0	149	175	351
4/ 7/89	2a	SPHAERIUM PARTUMEIUM	26	59	38	62	78	63	326
4/ 7/89	2a	CRYPTOTENDIPES SP.	30	20	38	0	21	54	163
4/ 7/89	2a	LIMNODRILUS HOFFMEISTERI	49	4	1	12	15	30	111
4/ 7/89	2a	CORBICULA MANILIENSIS	24	15	15	14	15	17	100
4/ 7/89	2a	DICROTENDIPES NEOMODUSTUS	21	6	25	7	6	32	97
4/ 7/89	2a	CRYPTOCHIRONOMUS FULVUS	13	5	1	23	9	4	55
4/ 7/89	2a	PRISTINA AEQUISETA	5	0	3	1	27	18	54
4/ 7/89	2a	PRISTINA SYNCLITES	14	4	3	1	16	15	53
4/ 7/89	2a	CERATOPOGONIDAE SP.	2	0	0	2	20	0	24
4/ 7/89	2a	HABER SPECIOSUS	3	9	0	3	3	2	20
4/ 7/89	2a	PARALAUTERBORNIELLA NIGROHALTERALIS	1	2	1	0	5	10	19
4/ 7/89	2a	PSEUDOCHIRONOMUS SP. A	1	1	1	1	6	5	15
4/ 7/89	2a	ABLABESMYIA MALLOCHI	1	2	3	1	5	3	15
4/ 7/89	2a	NANNOCLADIUS MINIMUS	0	0	11	3	0	0	14
4/ 7/89	2a	CERATOPOGONIDAE SP.	0	8	6	0	0	0	14
4/ 7/89	2a	ABLABESMYIA PARAJUNTA	2	2	7	1	0	0	12
4/ 7/89	2a	CRICOTOPUS SP.	0	0	4	1	2	4	11
4/ 7/89	2a	HYALELLA AZTECA	2	0	2	2	1	3	10
4/ 7/89	2a	CRUSTIPELLIS TRIBRINCHIATUS	0	2	5	1	0	1	9
4/ 7/89	2a	SLAVINA APPENDICULATA	0	0	3	0	0	4	7
4/ 7/89	2a	PRISTINA LEIDYI	0	0	2	1	0	3	6
4/ 7/89	2a	MENETUS SAMPSONI	0	1	3	1	0	0	5
4/ 7/89	2a	NAIS PARDALIS	0	0	0	0	5	0	5
4/ 7/89	2a	DERO DIGITATA	0	1	4	0	0	0	5
4/ 7/89	2a	PROSTOMA RUBRUM	0	0	2	2	0	0	4
4/ 7/89	2a	CHIRONOMUS SP.	2	0	2	0	0	0	4
4/ 7/89	2a	PROCLADIUS NR. ADUMBRATUS	0	0	2	1	0	0	3
4/ 7/89	2a	ELLIPTIO BUCKLEYI	1	0	0	0	0	1	2
4/ 7/89	2a	HIRUDINEA SP. (JUV)	0	2	0	0	0	0	2
4/ 7/89	2a	DUBIRAPHIA SP.	0	0	0	2	0	0	2
4/ 7/89	2a	ORTHOTRICHIA SP.	0	1	1	0	0	0	2
4/ 7/89	2a	OECETIS SP.	0	0	2	0	0	0	2
4/ 7/89	2a	PLANORBIDAE SP.	1	0	0	0	0	0	1
4/ 7/89	2a	HEBETANCYLUS EXENTRICUS	0	1	0	0	0	0	1

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 7/89	4c	NAIS COMMUNIS	0	0	0	1	0	0	1
4/ 7/89	4c	SLAVINA APPENDICULATA	0	0	0	0	0	1	1
4/ 7/89	4c	DICROTENDIPES NEOMODUSTUS	1	0	0	0	0	0	1
4/ 7/89	5a	IMM. TUBIFICIDAE SP. W/O	23	25	19	34	29	39	169
4/ 7/89	5a	NAIS PARDALIS	6	28	12	12	27	11	96
4/ 7/89	5a	PODOCOPA SP.	3	10	15	15	18	32	93
4/ 7/89	5a	CLADOTANYTARSUS VANDERWULPI GP.	7	20	6	3	9	11	56
4/ 7/89	5a	GAMMARUS PALUSTRIS	4	7	2	8	10	17	48
4/ 7/89	5a	LIMNODRILUS HOFFMEISTERI	6	7	7	11	5	10	46
4/ 7/89	5a	PSEUDOCHIRONOMUS SP.	3	8	4	1	10	12	38
4/ 7/89	5a	TANYTARSUS SP.	7	5	10	3	4	0	29
4/ 7/89	5a	POLYPEDILUM HALTERES	6	4	0	1	0	5	16
4/ 7/89	5a	TAPHROMYSIS BOWMANI	2	0	4	3	2	0	11
4/ 7/89	5a	PRISTINA SYNCLITES	0	0	0	0	2	1	3
4/ 7/89	5a	ABLABESMYIA MALLOCHI	0	1	0	2	0	0	3
4/ 7/89	5a	ABLABESMYIA PARAJUNTA	0	0	0	0	2	1	3
4/ 7/89	5a	HABER SPECIOSUS	0	2	0	0	0	0	2
4/ 7/89	5a	CRYPTOCHIRONOMUS FULVUS	0	0	1	0	0	1	2
4/ 7/89	5a	DERO DIGITATA	0	0	0	0	1	0	1
4/ 7/89	5a	STEMPELLINA SP.	0	1	0	0	0	0	1
4/ 7/89	5a	ORTHOCLADIINAE SP. (DAM)	0	0	0	0	1	0	1
4/ 7/89	5a	DICROTENDIPES NEOMODUSTUS	0	0	0	0	0	1	1
4/ 7/89	5a	HYALELLA AZTECA	0	0	0	0	0	1	1
4/ 7/89	5b	TANYTARSUS SP.	21	10	7	14	32	7	91
4/ 7/89	5b	IMM. TUBIFICIDAE SP. W/O	23	21	7	8	7	2	68
4/ 7/89	5b	NAIS PARDALIS	10	1	6	5	20	2	44
4/ 7/89	5b	LIMNODRILUS HOFFMEISTERI	13	0	4	9	5	5	36
4/ 7/89	5b	PODOCOPA SP.	6	10	3	4	10	0	33
4/ 7/89	5b	POLYPEDILUM HALTERES	3	1	2	3	2	2	13
4/ 7/89	5b	CRYPTOTENDIPES SP.	2	1	1	1	7	0	12
4/ 7/89	5b	PSEUDOCHIRONOMUS SP.	2	3	2	1	2	0	10
4/ 7/89	5b	CLADOTANYTARSUS SP.	1	0	1	2	4	0	8
4/ 7/89	5b	PRISTINA SYNCLITES	1	0	0	3	0	0	4
4/ 7/89	5b	GAMMARUS PALUSTRIS	0	2	1	0	0	1	4
4/ 7/89	5b	HABER SPECIOSUS	0	2	0	1	0	0	3
4/ 7/89	5b	DERO DIGITATA	0	0	1	2	0	0	3
4/ 7/89	5b	CRYPTOCHIRONOMUS FULVUS	0	0	2	0	1	0	3
4/ 7/89	5b	HARNISCHIA SP.	0	0	1	0	1	0	2
4/ 7/89	5b	STICTOCHIRONOMUS SP.	0	0	0	0	1	1	2
4/ 7/89	5b	CERATOPOGONIDAE SP.	1	0	0	0	0	0	1
4/ 7/89	5b	AULODRILUS PIGUETI	0	0	0	1	0	0	1
4/ 7/89	5b	STEMPELLINA SP.	0	0	1	0	0	0	1
4/ 7/89	5c	IMM. TUBIFICIDAE SP. W/O	124	38	21	69	52	41	345
4/ 7/89	5c	NAIS PARDALIS	5	12	1	41	18	24	101
4/ 7/89	5c	LIMNODRILUS HOFFMEISTERI	15	4	0	7	8	4	38
4/ 7/89	5c	CLADOTANYTARSUS VANDERWULPI GP.	1	3	0	5	4	4	17
4/ 7/89	5c	PRISTINA SYNCLITES	4	3	1	3	3	1	15
4/ 7/89	5c	PSEUDOCHIRONOMUS SP.	0	0	0	5	4	2	11
4/ 7/89	5c	HABER SPECIOSUS	0	2	1	1	1	0	5
4/ 7/89	5c	CRYPTOCHIRONOMUS FULVUS	0	2	0	2	1	0	5
4/ 7/89	5c	PRISTINA AEQUISETA	1	0	0	2	0	0	3
4/ 7/89	5c	CRYPTOTENDIPES SP.	0	2	0	0	0	0	2
4/ 7/89	5c	TANYTARSUS SP.	0	1	0	0	0	1	2

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/13/89	2c	CERATOPOGONIDAE SP.	38	0	21	0	15	4	78
4/13/89	2c	CLADOTANYTARSUS SP.	6	3	18	28	16	1	72
4/13/89	2c	PRISTINA SYNCLITES	44	0	3	0	1	1	49
4/13/89	2c	LIMNODRILUS HOFFMEISTERI	5	3	7	3	11	18	47
4/13/89	2c	HABER SPECIOSUS	2	0	4	6	23	3	38
4/13/89	2c	ABLABESMYIA PARAJUNTA	6	9	0	5	3	8	31
4/13/89	2c	POLYPEDILUM HALTERES	14	0	0	5	1	1	21
4/13/89	2c	CRICOTOPUS SP.	4	0	0	2	10	0	16
4/13/89	2c	CRYPTOTENDIPES SP.	9	0	1	6	0	0	16
4/13/89	2c	DICROTENDIPES NEOMODUSTUS	2	0	1	10	2	0	15
4/13/89	2c	AULODRILUS PIGUETI	0	0	1	12	0	1	14
4/13/89	2c	PENTANEURA SP.	0	4	1	5	3	0	13
4/13/89	2c	HYALELLA AZTECA	0	1	0	0	7	3	11
4/13/89	2c	ELLIPTIO BUCKLEYI	3	1	1	1	1	1	8
4/13/89	2c	LAEVAPEX FUSCUS	2	0	0	2	1	2	7
4/13/89	2c	ABLABESMYIA MALLOCHI	4	2	0	0	0	0	6
4/13/89	2c	SLAVINA APPENDICULATA	1	0	1	1	1	1	5
4/13/89	2c	PRISTINA LEIDYI	1	0	0	0	0	4	5
4/13/89	2c	NANNOCLADIUS MINIMUS	3	0	0	0	2	0	5
4/13/89	2c	HEBETANCYLUS EXENTRICUS	3	0	0	1	0	0	4
4/13/89	2c	NAIS PARDALIS	2	0	2	0	0	0	4
4/13/89	2c	PROSTOMA RUBRUM	0	0	1	0	0	2	3
4/13/89	2c	PARALAUTERBORNIELLA NIGROHALTERALIS	1	0	0	2	0	0	3
4/13/89	2c	BIOMPHALARIA GLABRATA	0	0	0	0	1	1	2
4/13/89	2c	ANCYLIDAE SP.	0	0	0	0	0	2	2
4/13/89	2c	HELOBDELLA TRISERIALIS	0	0	0	0	2	0	2
4/13/89	2c	BRATISLAVIA UNIDENTATA	0	0	0	0	1	1	2
4/13/89	2c	CRYPTOCHIRONOMUS FULVUS	1	0	0	0	1	0	2
4/13/89	2c	DUBIRAPHIA SP.	0	0	1	0	1	0	2
4/13/89	2c	OECETIS SP.	0	0	1	0	1	0	2
4/13/89	2c	STENOCHIRONOMUS SP.	0	0	0	2	0	0	2
4/13/89	2c	PSEUDOCIRONOMUS SP. A	1	0	0	1	0	0	2
4/13/89	2c	GYRAULUS PARVUS	1	0	0	0	0	0	1
4/13/89	2c	PLANORBELLA DURYI	0	1	0	0	0	0	1
4/13/89	2c	MENETUS SAMPSONI	0	0	0	0	0	1	1
4/13/89	2c	PARACHIRONOMUS SP.	1	0	0	0	0	0	1
4/13/89	2c	POLYPEDILUM CONVICTUM	0	0	1	0	0	0	1
4/13/89	2c	ASTACIDAE SP.	0	0	0	0	1	0	1
4/ 7/89	3a	PODOCOPA SP.	21	52	59	37	15	101	285
4/ 7/89	3a	IMM. TUBIFICIDAE SP. W/O	98	89	28	18	4	21	258
4/ 7/89	3a	LIMNODRILUS HOFFMEISTERI	2	17	22	11	4	9	65
4/ 7/89	3a	HABER SPECIOSUS	20	5	10	6	8	13	62
4/ 7/89	3a	CLADOTANYTARSUS VANDERWULPI GP.	12	4	7	6	0	28	57
4/ 7/89	3a	TANYTARSUS SP.	11	3	10	11	3	0	38
4/ 7/89	3a	NAIS PARDALIS	9	2	3	0	2	19	35
4/ 7/89	3a	PRISTINA SYNCLITES	17	5	2	1	2	1	28
4/ 7/89	3a	POLYPEDILUM HALTERES	8	7	2	1	0	0	18
4/ 7/89	3a	PSEUDOCIRONOMUS SP.	3	1	5	0	1	6	16
4/ 7/89	3a	ABLABESMYIA MALLOCHI	1	2	1	5	0	4	13
4/ 7/89	3a	HYALELLA AZTECA	0	0	1	8	3	1	13
4/ 7/89	3a	CRYPTOCHIRONOMUS FULVUS	2	0	3	2	0	3	10
4/ 7/89	3a	SLAVINA APPENDICULATA	0	0	1	2	2	3	8
4/ 7/89	3a	CRYPTOTENDIPES SP.	2	1	0	3	0	1	7
4/ 7/89	3a	ABLABESMYIA PARAJUNTA	0	1	0	3	1	0	5
4/ 7/89	3a	PENTANEURA SP.	0	0	0	4	1	0	5

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 7/89	3a	CERATOPOGONIDAE SP.	0	0	3	0	0	0	3
4/ 7/89	3a	ECLIPIDRILUS PALUSTRIS	1	0	1	0	0	0	2
4/ 7/89	3a	AULODRILUS PIGUETI	1	1	0	0	0	0	2
4/ 7/89	3a	DEMICRYTOCHIRONOMUS SP.	1	0	0	1	0	0	2
4/ 7/89	3a	PRISTINA AEQUISETA	1	0	0	0	0	0	1
4/ 7/89	3a	NAIS COMMUNIS	0	0	0	1	0	0	1
4/ 7/89	3a	LUMBRICULUS VARIEGATUS	0	0	0	1	0	0	1
4/ 7/89	3a	DERO TRIFIDA	0	0	0	1	0	0	1
4/ 7/89	3a	DERO DIGITATA	0	0	0	1	0	0	1
4/ 7/89	3a	PRISTINA LEIDYI	0	0	0	1	0	0	1
4/ 7/89	3a	BRYCHIUS SP.	0	0	0	0	0	1	1
4/ 7/89	3a	STENOCHIRONOMUS SP.	1	0	0	0	0	0	1
4/ 7/89	3a	LABRUNDINIA PILOSELLA	0	0	0	0	0	1	1
4/ 7/89	3a	RHEOTANYTARSUS SP.	0	0	0	0	0	1	1
4/ 7/89	3b	HABER SPECIOSUS	57	18	60	23	52	55	265
4/ 7/89	3b	CLADOTANYTARSUS VANDERWULPI GP.	50	41	47	35	33	46	252
4/ 7/89	3b	IMM. TUBIFICIDAE SP. W/O	23	8	19	12	15	14	91
4/ 7/89	3b	LIMNODRILUS HOFFMEISTERI	8	0	4	4	3	7	26
4/ 7/89	3b	POLYPEDILUM HALTERES	1	3	7	3	3	3	20
4/ 7/89	3b	NAIS PARDALIS	4	4	2	2	2	3	17
4/ 7/89	3b	PSEUDOCIRONOMUS SP.	1	1	3	2	6	4	17
4/ 7/89	3b	PENTANEURA SP.	2	5	1	2	3	4	17
4/ 7/89	3b	PODOCOPA SP.	2	1	2	3	0	3	11
4/ 7/89	3b	ABLABESMYIA MALLOCHI	1	0	0	0	3	2	6
4/ 7/89	3b	DICROTENDIPES NEOMODUSTUS	0	3	2	0	0	1	6
4/ 7/89	3b	CRYPTOCHIRONOMUS FULVUS	1	1	1	1	0	1	5
4/ 7/89	3b	TANYTARSUS SP.	0	0	0	2	0	1	3
4/ 7/89	3b	SLAVINA APPENDICULATA	0	0	0	2	0	0	2
4/ 7/89	3b	PRISTINA SYNCLITES	2	0	0	0	0	0	2
4/ 7/89	3b	PROSTOMA RUBRUM	0	0	0	1	0	0	1
4/ 7/89	3b	AULODRILUS PIGUETI	0	0	0	1	0	0	1
4/ 7/89	3b	NAIS COMMUNIS	0	1	0	0	0	0	1
4/ 7/89	3b	NILOTHAUMA SP.	1	0	0	0	0	0	1
4/ 7/89	3b	DUBIRAPHIA SP.	0	1	0	0	0	0	1
4/ 7/89	3b	CRYPTOTENDIPES SP.	0	0	0	0	1	0	1
4/ 7/89	3c	PODOCOPA SP.	44	325	76	257	161	416	1279
4/ 7/89	3c	IMM. TUBIFICIDAE SP. W/O	115	70	119	95	88	107	594
4/ 7/89	3c	TANYTARSUS SP.	11	66	15	35	24	58	209
4/ 7/89	3c	PRISTINA SYNCLITES	3	59	12	26	27	54	181
4/ 7/89	3c	LIMNODRILUS HOFFMEISTERI	13	24	28	26	38	15	144
4/ 7/89	3c	POLYPEDILUM HALTERES	17	17	7	9	11	31	92
4/ 7/89	3c	PRISTINA LEIDYI	1	4	21	14	24	23	87
4/ 7/89	3c	HYALELLA AZTECA	0	27	0	6	6	16	55
4/ 7/89	3c	AULODRILUS PIGUETI	0	0	0	8	4	35	47
4/ 7/89	3c	CRYPTOTENDIPES SP.	4	10	3	13	8	8	46
4/ 7/89	3c	ABLABESMYIA PARAJUNTA	1	13	0	2	8	9	33
4/ 7/89	3c	CLADOTANYTARSUS SP.	6	3	3	9	8	2	31
4/ 7/89	3c	ABLABESMYIA MALLOCHI	0	8	1	7	2	12	30
4/ 7/89	3c	PSEUDOCIRONOMUS SP.	0	4	3	8	7	3	25
4/ 7/89	3c	NAIS AEQUISETA	0	0	0	2	11	11	24
4/ 7/89	3c	NAIS PARDALIS	5	2	3	9	1	3	23
4/ 7/89	3c	HABER SPECIOSUS	4	1	4	1	2	1	13
4/ 7/89	3c	SLAVINA APPENDICULATA	0	1	2	4	5	1	13
4/ 7/89	3c	DICROTENDIPES NEOMODUSTUS	0	5	1	4	0	3	13

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 7/89	3c	CRICOTOPUS SP.	0	2	0	1	3	4	10
4/ 7/89	3c	DERO DIGITATA	0	0	1	3	0	2	6
4/ 7/89	3c	STENOCHIRONOMUS SP.	0	4	0	0	2	0	6
4/ 7/89	3c	CRYPTOCHIRONOMUS FULVUS	1	0	0	0	1	1	3
4/ 7/89	3c	DERO TRIFIDA	0	0	2	0	0	0	2
4/ 7/89	3c	PARALAUTERBORNIELLA NIGROHALTERALIS	1	1	0	0	0	0	2
4/ 7/89	3c	NAIS ELINGUIS	0	0	0	0	0	1	1
4/ 7/89	3c	LUMBRICULUS VARIEGATUS	0	0	0	0	0	1	1
4/ 7/89	3c	RHEOTANYTARSUS SP.	0	0	1	0	0	0	1
4/ 7/89	3c	ORTHOCLADIINAE SP.	0	0	0	1	0	0	1
4/ 7/89	3c	PHAENOPSECTRA FLAVIPES	0	0	0	0	1	0	1
4/ 7/89	3c	LARSIA SP.	0	0	0	0	0	1	1
4/ 7/89	4a	CLADOTANYTARSUS VANDERWULPI GP.	53	48	41	54	49	88	333
4/ 7/89	4a	IMM. TUBIFICIDAE SP. W/O	7	17	23	21	24	23	115
4/ 7/89	4a	NAIS PARDALIS	26	5	11	8	16	36	102
4/ 7/89	4a	POLYPEDILUM HALTERES	9	8	9	15	11	27	79
4/ 7/89	4a	LIMNODRILUS HOFFMEISTERI	2	13	11	7	11	6	50
4/ 7/89	4a	CRYPTOCHIRONOMUS FULVUS	1	4	2	3	9	6	25
4/ 7/89	4a	HABER SPECIOSUS	1	3	2	1	3	6	16
4/ 7/89	4a	PSEUDOCIRONOMUS SP.	0	5	2	1	1	4	13
4/ 7/89	4a	PRISTINA SYNCLITES	0	0	5	0	2	0	7
4/ 7/89	4a	PODOCOPA SP.	2	0	1	0	2	1	6
4/ 7/89	4a	TANYTARSUS SP.	1	0	0	0	0	4	5
4/ 7/89	4a	PENTANEURA SP.	0	0	1	0	0	2	3
4/ 7/89	4a	PRISTINA AEQUISETA	1	0	0	0	0	1	2
4/ 7/89	4a	SLAVINA APPENDICULATA	0	0	0	0	0	2	2
4/ 7/89	4a	CHIRONOMIDAE SP. (DAM)	0	0	0	0	0	1	1
4/ 7/89	4a	DUBIRAPHIA SP.	0	0	1	0	0	0	1
4/ 7/89	4a	ABLABESMYIA MALLOCHI	0	0	0	1	0	0	1
4/ 7/89	4a	CRICOTOPUS SP.	0	0	0	0	0	1	1
4/ 7/89	4a	HYALELLA AZTECA	0	0	0	0	0	1	1
4/ 7/89	4b	CLADOTANYTARSUS SP.	12	9	25	47	18	27	138
4/ 7/89	4b	NAIS PARDALIS	13	9	13	31	22	32	120
4/ 7/89	4b	POLYPEDILUM HALTERES	2	1	4	8	1	10	26
4/ 7/89	4b	HABER SPECIOSUS	4	2	2	9	1	7	25
4/ 7/89	4b	CRYPTOCHIRONOMUS FULVUS	5	2	3	2	5	5	22
4/ 7/89	4b	IMM. TUBIFICIDAE SP. W/O	1	1	3	4	1	5	15
4/ 7/89	4b	PSEUDOCIRONOMUS SP.	1	1	3	8	1	1	15
4/ 7/89	4b	PODOCOPA SP.	1	2	2	7	0	2	14
4/ 7/89	4b	PRISTINA SYNCLITES	4	1	3	1	0	1	10
4/ 7/89	4b	LIMNODRILUS HOFFMEISTERI	0	1	1	5	2	1	10
4/ 7/89	4b	CHIRONOMINI SP. (DAM)	1	0	0	0	0	0	1
4/ 7/89	4b	ABLABESMYIA PARAJUNTA	0	0	1	0	0	0	1
4/ 7/89	4c	NAIS PARDALIS	9	92	23	54	2	15	195
4/ 7/89	4c	CLADOTANYTARSUS VANDERWULPI GP.	22	32	22	67	6	12	161
4/ 7/89	4c	POLYPEDILUM HALTERES	13	9	12	30	0	5	69
4/ 7/89	4c	HABER SPECIOSUS	1	13	1	19	1	20	55
4/ 7/89	4c	CRYPTOCHIRONOMUS FULVUS	6	3	7	19	2	10	47
4/ 7/89	4c	IMM. TUBIFICIDAE SP. W/O	2	20	2	9	1	7	41
4/ 7/89	4c	LIMNODRILUS HOFFMEISTERI	3	3	0	1	1	2	10
4/ 7/89	4c	PRISTINA SYNCLITES	0	4	2	2	1	1	10
4/ 7/89	4c	PSEUDOCIRONOMUS SP.	0	0	1	5	1	0	7
4/ 7/89	4c	PODOCOPA SP.	0	1	0	1	1	1	4

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 7/89	4c	NAIS COMMUNIS	0	0	0	1	0	0	1
4/ 7/89	4c	SLAVINA APPENDICULATA	0	0	0	0	0	1	1
4/ 7/89	4c	DICROTENDIPES NEOMODUSTUS	1	0	0	0	0	0	1
4/ 7/89	5a	IMM. TUBIFICIDAE SP. W/O	23	25	19	34	29	39	169
4/ 7/89	5a	NAIS PARDALIS	6	28	12	12	27	11	96
4/ 7/89	5a	PODOCOPA SP.	3	10	15	15	18	32	93
4/ 7/89	5a	CLADOTANYTARSUS VANDERWULPI GP.	7	20	6	3	9	11	56
4/ 7/89	5a	GAMMARUS PALUSTRIS	4	7	2	8	10	17	48
4/ 7/89	5a	LIMNODRILUS HOFFMEISTERI	6	7	7	11	5	10	46
4/ 7/89	5a	PSEUDOCHIRONOMUS SP.	3	8	4	1	10	12	38
4/ 7/89	5a	TANYTARSUS SP.	7	5	10	3	4	0	29
4/ 7/89	5a	POLYPEDILUM HALTERES	6	4	0	1	0	5	16
4/ 7/89	5a	TAPHROMYSIS BOWMANI	2	0	4	3	2	0	11
4/ 7/89	5a	PRISTINA SYNCLITES	0	0	0	0	2	1	3
4/ 7/89	5a	ABLABESMYIA MALLOCHI	0	1	0	2	0	0	3
4/ 7/89	5a	ABLABESMYIA PARAJUNTA	0	0	0	0	2	1	3
4/ 7/89	5a	HABER SPECIOSUS	0	2	0	0	0	0	2
4/ 7/89	5a	CRYPTOCHIRONOMUS FULVUS	0	0	1	0	0	1	2
4/ 7/89	5a	DERO. DIGITATA	0	0	0	0	1	0	1
4/ 7/89	5a	STEMPELLINA SP.	0	1	0	0	0	0	1
4/ 7/89	5a	ORTHOCLADIINAE SP. (DAM)	0	0	0	0	1	0	1
4/ 7/89	5a	DICROTENDIPES NEOMODUSTUS	0	0	0	0	0	1	1
4/ 7/89	5a	HYALELLA AZTECA	0	0	0	0	0	1	1
4/ 7/89	5b	TANYTARSUS SP.	21	10	7	14	32	7	91
4/ 7/89	5b	IMM. TUBIFICIDAE SP. W/O	23	21	7	8	7	2	68
4/ 7/89	5b	NAIS PARDALIS	10	1	6	5	20	2	44
4/ 7/89	5b	LIMNODRILUS HOFFMEISTERI	13	0	4	9	5	5	36
4/ 7/89	5b	PODOCOPA SP.	6	10	3	4	10	0	33
4/ 7/89	5b	POLYPEDILUM HALTERES	3	1	2	3	2	2	13
4/ 7/89	5b	CRYPTOTENDIPES SP.	2	1	1	1	7	0	12
4/ 7/89	5b	PSEUDOCHIRONOMUS SP.	2	3	2	1	2	0	10
4/ 7/89	5b	CLADOTANYTARSUS SP.	1	0	1	2	4	0	8
4/ 7/89	5b	PRISTINA SYNCLITES	1	0	0	3	0	0	4
4/ 7/89	5b	GAMMARUS PALUSTRIS	0	2	1	0	0	1	4
4/ 7/89	5b	HABER SPECIOSUS	0	2	0	1	0	0	3
4/ 7/89	5b	DERO. DIGITATA	0	0	1	2	0	0	3
4/ 7/89	5b	CRYPTOCHIRONOMUS FULVUS	0	0	2	0	1	0	3
4/ 7/89	5b	HARNISCHIA SP.	0	0	1	0	1	0	2
4/ 7/89	5b	STICTOCHIRONOMUS SP.	0	0	0	0	1	1	2
4/ 7/89	5b	CERATOPOGONIDAE SP.	1	0	0	0	0	0	1
4/ 7/89	5b	AULODRILUS PIGUETI	0	0	0	1	0	0	1
4/ 7/89	5b	STEMPELLINA SP.	0	0	1	0	0	0	1
4/ 7/89	5c	IMM. TUBIFICIDAE SP. W/O	124	38	21	69	52	41	345
4/ 7/89	5c	NAIS PARDALIS	5	12	1	41	18	24	101
4/ 7/89	5c	LIMNODRILUS HOFFMEISTERI	15	4	0	7	8	4	38
4/ 7/89	5c	CLADOTANYTARSUS VANDERWULPI GP.	1	3	0	5	4	4	17
4/ 7/89	5c	PRISTINA SYNCLITES	4	3	1	3	3	1	15
4/ 7/89	5c	PSEUDOCHIRONOMUS SP.	0	0	0	5	4	2	11
4/ 7/89	5c	HABER SPECIOSUS	0	2	1	1	1	0	5
4/ 7/89	5c	CRYPTOCHIRONOMUS FULVUS	0	2	0	2	1	0	5
4/ 7/89	5c	PRISTINA AEQUISETA	1	0	0	2	0	0	3
4/ 7/89	5c	CRYPTOTENDIPES SP.	0	2	0	0	0	0	2
4/ 7/89	5c	TANYTARSUS SP.	0	1	0	0	0	1	2

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 7/89	5c	PODOCOPA SP.	0	1	1	0	0	0	2
4/ 7/89	5c	GLYCINDE SOLITARIA	0	1	0	0	0	0	1
4/ 7/89	5c	DERO DIGITATA	0	0	0	0	0	1	1
4/ 7/89	5c	STEMPELLINA SP.	0	0	0	0	0	1	1
4/ 7/89	5c	TAPHROMYSIS BOWMANI	0	0	0	0	0	1	1
4/ 6/89	6a	IMM. TUBIFICIDAE SP. W/O	82	34	95	229	73	157	670
4/ 6/89	6a	NAIS PARDALIS	17	38	30	211	28	89	413
4/ 6/89	6a	PRISTINA SYNCLITES	4	19	21	76	18	69	207
4/ 6/89	6a	POLYPEDILUM HALTERES	2	3	3	88	3	14	113
4/ 6/89	6a	LIMNODRILUS HOFFMEISTERI	17	17	9	36	14	13	106
4/ 6/89	6a	PODOCOPA SP.	18	9	7	11	14	25	84
4/ 6/89	6a	GAMMARUS PALUSTRIS	8	21	7	29	1	14	80
4/ 6/89	6a	TANYTARSUS SP.	0	6	3	40	5	20	74
4/ 6/89	6a	CRYPTOTENDIPES SP.	0	3	5	24	4	7	43
4/ 6/89	6a	PSEUDOCHIRONOMUS SP.	0	2	1	25	0	6	34
4/ 6/89	6a	CRICOTOPUS SP.	1	4	1	6	1	10	23
4/ 6/89	6a	CLADOTANYTARSUS VANDERWULPI GP.	5	3	1	1	8	3	21
4/ 6/89	6a	DERO DIGITATA	1	1	1	5	1	5	14
4/ 6/89	6a	DERO TRIFIDA	0	2	0	8	0	0	10
4/ 6/89	6a	PRISTINA LEIDYI	0	5	0	2	0	2	9
4/ 6/89	6a	PRISTINA AEQUISETA	0	3	0	4	0	1	8
4/ 6/89	6a	HABER SPECIOSUS	4	0	1	1	0	0	6
4/ 6/89	6a	NAIS COMMUNIS	0	3	0	3	0	0	6
4/ 6/89	6a	ENCHYTRAEDIAE SP.	0	1	0	2	0	3	6
4/ 6/89	6a	CRUSTIPELLIS TRIBRINCHIATUS	0	0	0	1	0	5	6
4/ 6/89	6a	ABLABESMYIA PARAJUNTA	0	0	0	4	0	1	5
4/ 6/89	6a	DICROTENDIPES NEOMODUSTUS	0	1	1	1	0	1	4
4/ 6/89	6a	PARAKIEFFERIELLA SP.	0	0	0	0	0	3	3
4/ 6/89	6a	SLAVINA APPENDICULATA	0	1	0	1	0	0	2
4/ 6/89	6a	CRYPTOCHIRONOMUS FULVUS	0	0	0	0	1	1	2
4/ 6/89	6a	HYALELLA AZTECA	0	0	0	2	0	0	2
4/ 6/89	6a	BRATISLAVIA UNIDENTATA	0	0	1	0	0	0	1
4/ 6/89	6a	STEMPELLINA SP.	0	0	0	0	1	0	1
4/ 6/89	6a	NANNOCLADIUS MINIMUS	0	0	0	0	0	1	1
4/ 6/89	6b	TANYTARSUS SP.	85	194	112	308	729	281	1709
4/ 6/89	6b	NAIS PARDALIS	7	70	23	24	66	29	219
4/ 6/89	6b	IMM. TUBIFICIDAE SP. W/O	6	75	10	12	15	29	147
4/ 6/89	6b	PRISTINA SYNCLITES	5	24	21	14	48	21	133
4/ 6/89	6b	PSEUDOCHIRONOMUS SP.	2	38	15	15	41	18	129
4/ 6/89	6b	CRYPTOTENDIPES SP.	6	16	9	10	36	9	86
4/ 6/89	6b	LIMNODRILUS HOFFMEISTERI	4	29	5	1	6	13	58
4/ 6/89	6b	PODOCOPA SP.	0	25	6	1	10	6	48
4/ 6/89	6b	POLYPEDILUM HALTERES	2	26	1	2	6	6	43
4/ 6/89	6b	DERO DIGITATA	3	10	1	5	11	1	31
4/ 6/89	6b	CRYPTOCHIRONOMUS FULVUS	4	5	3	3	7	4	26
4/ 6/89	6b	PRISTINA LEIDYI	1	3	2	9	5	2	22
4/ 6/89	6b	CLADOTANYTARSUS SP.	0	0	4	2	8	4	18
4/ 6/89	6b	CERATOPOGONIDAE SP.	0	3	1	0	5	1	10
4/ 6/89	6b	PRISTINA AEQUISETA	0	1	0	2	5	0	8
4/ 6/89	6b	PROCLADIUS NR. ADUMBRATUS	1	0	2	4	0	0	7
4/ 6/89	6b	HARNISCHIA SP.	0	0	0	3	2	2	7
4/ 6/89	6b	STEMPELLINA SP.	0	1	0	1	3	1	6
4/ 6/89	6b	GAMMARUS PALUSTRIS	1	1	1	0	2	1	6
4/ 6/89	6b	ABLABESMYIA PARAJUNTA	0	2	1	0	1	1	5

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 6/89	6b	ABLABESMYIA MALLOCHI	0	0	1	1	2	1	5
4/ 6/89	6b	TAPHROMYSIS BOWMANI	2	0	1	2	0	0	5
4/ 6/89	6b	CRICOTOPUS SP.	0	1	1	1	1	0	4
4/ 6/89	6b	AULODRILUS PIGUETI	0	2	0	0	1	0	3
4/ 6/89	6b	NAIS COMMUNIS	0	0	0	0	3	0	3
4/ 6/89	6b	NILOTHAUMA SP.	0	1	0	0	0	2	3
4/ 6/89	6b	DICROTENDIPES NEOMODUSTUS	0	0	0	0	1	2	3
4/ 6/89	6b	DERO TRIFIDA	0	0	1	0	0	1	2
4/ 6/89	6b	HABER SPECIOSUS	0	0	0	0	2	0	2
4/ 6/89	6b	COELOTANYPUS SP.	0	0	0	1	0	1	2
4/ 6/89	6b	CRUSTIPELLIS TRIBRINCHIATUS	0	0	0	1	0	0	1
4/ 6/89	6b	PARALAUTERBORNIELLA NIGROHALTERALIS	0	1	0	0	0	0	1
4/ 6/89	6c	IMM. TUBIFICIDAE SP. W/O	31	109	73	193	90	83	579
4/ 6/89	6c	POLYPEDILUM SP.	10	21	28	49	34	80	222
4/ 6/89	6c	LIMNODRILUS HOFFMEISTERI	31	18	17	25	20	26	137
4/ 6/89	6c	NAIS PARDALIS	1	31	28	35	7	17	119
4/ 6/89	6c	PRISTINA SYNCLITES	18	34	7	17	9	10	95
4/ 6/89	6c	CLADOTANYTARSUS VANDERWULPI GP.	1	2	9	5	5	21	43
4/ 6/89	6c	PSEUDOCHIRONOMUS SP.	0	1	7	9	0	10	27
4/ 6/89	6c	PODOCOPA SP.	2	1	7	0	1	13	24
4/ 6/89	6c	TANYTARSUS SP.	0	3	1	14	0	2	20
4/ 6/89	6c	CRYPTOTENDIPES SP.	2	1	4	3	2	2	14
4/ 6/89	6c	DICROTENDIPES NEOMODUSTUS	0	1	1	0	9	1	12
4/ 6/89	6c	CRYPTOCHIRONOMUS FULVUS	2	2	0	0	1	6	11
4/ 6/89	6c	CRICOTOPUS SP.	0	0	1	0	1	6	8
4/ 6/89	6c	PRISTINA LEIDYI	0	1	0	1	0	1	3
4/ 6/89	6c	PRISTINA AEQUISETA	0	0	0	2	0	1	3
4/ 6/89	6c	HABER SPECIOSUS	1	0	0	0	1	0	2
4/ 6/89	6c	AULODRILUS PIGUETI	0	0	0	1	0	1	2
4/ 6/89	6c	ENCHYTRAEIDAE SPP	0	0	0	2	0	0	2
4/ 6/89	6c	TAPHROMYSIS BOWMANI	0	0	2	0	0	0	2
4/ 6/89	6c	CERATOPOGONIDAE SP.	1	1	0	0	0	0	2
4/ 6/89	6c	ABLABESMYIA PARAJUNTA	0	2	0	0	0	0	2
4/ 6/89	6c	LAONEREIS CULVERI	0	0	0	1	0	0	1
4/ 6/89	6c	DERO DIGITATA	0	0	0	0	0	1	1
4/ 6/89	6c	GAMMARUS PALUSTRIS	0	0	1	0	0	0	1
4/ 6/89	6c	PARALAUTERBORNIELLA NIGROHALTERALIS	1	0	0	0	0	0	1
4/ 6/89	6c	STEMPELLINA SP.	0	0	1	0	0	0	1
4/ 6/89	7a	POLYPEDILUM HALTERES	19	34	55	32	41	54	235
4/ 6/89	7a	IMM. TUBIFICIDAE SP. W/O	35	39	57	24	25	27	207
4/ 6/89	7a	LIMNODRILUS HOFFMEISTERI	29	45	52	24	19	37	206
4/ 6/89	7a	GAMMARUS PALUSTRIS	18	15	21	11	25	13	103
4/ 6/89	7a	CLADOTANYTARSUS SP	6	5	4	5	8	17	45
4/ 6/89	7a	TANYTARSUS SP.	5	6	6	0	8	7	32
4/ 6/89	7a	NAIS PARDALIS	1	0	3	2	2	15	23
4/ 6/89	7a	PRISTINA SYNCLITES	0	3	8	2	0	3	16
4/ 6/89	7a	CRYPTOCHIRONOMUS FULVUS	0	1	4	4	3	2	14
4/ 6/89	7a	PODOCOPA SP.	0	2	0	0	5	3	10
4/ 6/89	7a	CRYPTOTENDIPES SP.	1	0	2	0	2	5	10
4/ 6/89	7a	HYALELLA AZTECA	1	1	2	0	0	0	4
4/ 6/89	7a	SPHAEROMA SP.	1	2	1	0	0	0	4
4/ 6/89	7a	ABLABESMYIA PARAJUNTA	2	1	0	1	0	0	4
4/ 6/89	7a	CRICOTOPUS SP.	0	0	3	0	1	0	4
4/ 6/89	7a	DICROTENDIPES NEOMODUSTUS	0	1	2	0	0	0	3

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
4/ 6/89	7a	DERO DIGITATA	0	0	0	1	0	1	2
4/ 6/89	7a	COELOTANYPUS SP.	0	1	1	0	0	0	2
4/ 6/89	7a	ENCHYTRAEIDAE SP.	1	0	0	0	0	0	1
4/ 6/89	7a	CERATOPOGONIDAE SP.	0	0	0	0	0	1	1
4/ 6/89	7a	HABER SPECIOSUS	0	0	0	0	0	1	1
4/ 6/89	7a	TAPHROMYSIS BOWMANI	0	0	0	0	1	0	1
4/ 6/89	7a	TALTRIDAE SP.	0	0	0	0	0	1	1
4/ 6/89	7b	LIMNODRILUS HOFFMEISTERI	0	1	4	4	6	7	22
4/ 6/89	7b	GAMMARUS PALUSTRIS	0	0	3	3	4	9	19
4/ 6/89	7b	IMM. TUBIFICIDAE SP. W/O	3	1	1	4	7	1	17
4/ 6/89	7b	TANYTARSUS SP.	0	0	2	2	10	0	14
4/ 6/89	7b	CLADOTANYTARSUS SP.	1	0	2	2	3	1	9
4/ 6/89	7b	CRYPTOCHIRONOMUS FULVUS	1	1	0	2	2	2	8
4/ 6/89	7b	PSEUDOCIRONOMUS SP.	1	0	2	0	3	2	8
4/ 6/89	7b	POLYPEDILUM HALTERES	1	1	0	0	2	3	7
4/ 6/89	7b	GRANDIDIERELLA BONNIEROIDES	0	0	0	2	1	3	6
4/ 6/89	7b	HABER SPECIOSUS	3	0	1	0	0	0	4
4/ 6/89	7b	CRYPTOTENDIPES SP.	0	0	1	0	1	2	4
4/ 6/89	7b	PRISTINA SYNCLITES	1	0	0	0	1	0	2
4/ 6/89	7b	PODOCOPA SP.	0	0	0	1	0	0	1
4/ 6/89	7b	MYSIDOPSIS FURCA	0	0	0	0	0	1	1
4/ 6/89	7b	HARNISCHIA SP.	1	0	0	0	0	0	1
4/ 6/89	7b	CRICOTOPUS SP.	0	0	0	0	0	1	1
4/ 6/89	7c	IMM. TUBIFICIDAE SP. W/O	278	165	202	255	202	134	1236
4/ 6/89	7c	NAIS PARDALIS	176	167	65	211	116	9	744
4/ 6/89	7c	CLADOTANYTARSUS SP.	99	60	62	240	83	24	568
4/ 6/89	7c	POLYPEDILUM HALTERES	123	111	87	21	116	42	500
4/ 6/89	7c	LIMNODRILUS HOFFMEISTERI	29	36	20	26	23	24	158
4/ 6/89	7c	CRYPTOCHIRONOMUS FULVUS	14	10	12	23	19	12	90
4/ 6/89	7c	PRISTINA SYNCLITES	18	1	1	8	9	2	39
4/ 6/89	7c	CRICOTOPUS SP.	4	4	2	15	6	3	34
4/ 6/89	7c	CRYPTOTENDIPES SP.	1	6	2	5	6	2	22
4/ 6/89	7c	TANYTARSUS SP.	1	2	2	14	3	0	22
4/ 6/89	7c	PROCLADIUS NR. ADUMBRATUS	4	4	1	6	4	0	19
4/ 6/89	7c	HABER SPECIOSUS	2	2	1	2	2	0	9
4/ 6/89	7c	STICTOCHIRONOMUS SP.	1	0	0	3	2	1	7
4/ 6/89	7c	GAMMARUS PALUSTRIS	1	2	0	1	1	0	5
4/ 6/89	7c	PSEUDOCIRONOMUS SP.	0	3	0	0	1	0	4
4/ 6/89	7c	STEMPELLINA SP.	0	0	0	1	1	2	4
4/ 6/89	7c	HARNISCHIA SP.	0	0	1	0	2	0	3
4/ 6/89	7c	CLADOTANYTARSUS SP.	0	0	0	1	0	1	2
4/ 6/89	7c	PODOCOPA SP.	1	1	0	0	0	0	2
4/ 6/89	7c	CHIRONOMUS SP.	1	0	0	1	0	0	2
4/ 6/89	7c	PARALAUTERBORNIELLA NIGROHALTERALIS	0	1	1	0	0	0	2
4/ 6/89	7c	PRISTINA AEQUISETA	1	0	0	0	0	0	1
4/ 6/89	7c	CRYPTOCHIRONOMUS SP.	0	0	0	1	0	0	1
4/ 6/89	7c	CRICOTOPUS SP.	0	0	0	0	1	0	1
4/ 6/89	7c	TAPHROMYSIS BOWMANI	1	0	0	0	0	0	1
4/ 6/89	7c	LARSIA SP.	1	0	0	0	0	0	1
9/11/89	1a	IMM. TUBIFICIDAE SP. W/O	157	143	199	146	144	37	826
9/11/89	1a	POLYPEDILUM HALTERES	11	2	9	4	1	0	27
9/11/89	1a	PRISTINA SYNCLITES	4	1	2	7	0	2	16
9/11/89	1a	CRYPTOCHIRONOMUS FULVUS	1	6	3	3	3	0	16

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
9/11/89	1a	TANYTARSUS SP.	3	2	1	6	1	0	13
9/11/89	1a	LIMNODRILUS HOFFMEISTERI	1	2	2	1	1	0	7
9/11/89	1a	EINFELDIA SP.	1	1	1	1	0	0	4
9/11/89	1a	CERATOPOGONIDAE SP.	1	1	0	0	0	0	2
9/11/89	1a	LAUTERBORNIELLA AGRAYLOIDES	0	2	0	0	0	0	2
9/11/89	1a	AULODRILUS PIGUETI	1	0	0	0	0	0	1
9/12/89	1a	PODOCOPA SP.	0	121	11	38	1	2	173
9/11/89	1b	IMM. TUBIFICIDAE SP. W/O	23	42	78	22	25	22	212
9/12/89	1b	PODOCOPA SP.	1	13	0	0	0	0	14
9/11/89	1c	IMM. TUBIFICIDAE SP. W/O	150	48	64	77	27	58	424
9/11/89	1c	CRYPTOCHIRONOMUS FULVUS	3	1	1	1	3	1	10
9/11/89	1c	LIMNODRILUS HOFFMEISTERI	1	0	0	0	0	0	1
9/11/89	1c	EINFELDIA SP.	0	0	1	0	0	0	1
9/11/89	1c	PSEUDOCHIRONOMUS SP.	0	0	1	0	0	0	1
9/11/89	1c	PARALAUTERBORNIELLA NIGROHALTERALIS	0	0	0	0	1	0	1
9/11/89	1c	POLYPEDILUM HALTERES	0	0	0	0	0	1	1
9/12/89	5a	IMM. TUBIFICIDAE SP. W/O	52	25	69	94	63	147	450
9/12/89	5a	HABER SPECIOSUS	0	0	1	1	0	3	5
9/12/89	5a	POLYPEDILUM HALTERES	2	1	0	0	0	1	4
9/12/89	5a	LIMNODRILUS HOFFMEISTERI	0	0	0	2	0	1	3
9/12/89	5a	STICTOCHIRONOMUS SP.	0	0	1	0	0	0	1
9/12/89	5a	PSEUDOCHIRONOMUS SP.	0	0	0	0	1	0	1
9/12/89	5a	ABLABESMYIA PARAJUNTA	0	0	0	0	0	1	1
9/12/89	5a	HYALELLA AZTECA	0	0	1	0	0	0	1
9/12/89	5b	IMM. TUBIFICIDAE SP. W/O	8	9	10	8	18	21	74
9/12/89	5b	HABER SPECIOSUS	0	1	0	0	0	0	1
9/12/89	5b	LIMNODRILUS HOFFMEISTERI	0	0	0	0	0	1	1
9/12/89	5c	IMM. TUBIFICIDAE SP. W/O	11	40	8	47	52	29	187
9/12/89	5c	LIMNODRILUS HOFFMEISTERI	0	0	0	1	1	0	2
9/12/89	5c	HABER SPECIOSUS	0	0	0	0	0	1	1
9/12/89	5c	CRYPTOCHIRONOMUS FULVUS	0	0	0	1	0	0	1
9/12/89	5c	STICTOCHIRONOMUS SP.	0	0	0	0	1	0	1
9/12/89	7a	IMM. TUBIFICIDAE SP. W/O	26	24	23	107	15	17	212
9/12/89	7a	CERATOPOGONIDAE SP.	0	0	0	1	0	2	3
9/12/89	7a	LIMNODRILUS HOFFMEISTERI	1	0	0	0	0	1	2
9/12/89	7a	AULODRILUS PIGUETI	0	0	0	1	1	0	2
9/12/89	7a	COELOTANYPUS SP.	0	1	1	0	0	0	2
9/12/89	7a	HABER SPECIOSUS	0	0	0	0	1	0	1
9/12/89	7a	ABLABESMYIA PARAJUNTA	1	0	0	0	0	0	1
9/12/89	7a	OECETIS SP.	0	0	0	1	0	0	1
9/12/89	7a	CHIRONOMIDAE SP.	0	0	0	1	0	0	1
9/12/89	7a	DICROTENDIPES NEOMODUSTUS	0	0	0	1	0	0	1
9/12/89	7a	RITHROPANOPEUS HARRISII	0	0	0	0	0	0	0
9/12/89	7a	SPHAEROMA TEREBRANS	0	0	0	0	0	0	0
9/12/89	7b	IMM. TUBIFICIDAE SP. W/O	18	15	11	26	15	37	122
9/12/89	7b	LAONEREIS CULVERI	1	1	3	0	1	2	8
9/12/89	7b	LIMNODRILUS HOFFMEISTERI	3	0	1	0	0	1	5
9/12/89	7b	HABER SPECIOSUS	1	0	0	0	0	4	5
9/12/89	7b	STICTOCHIRONOMUS SP.	0	0	0	0	1	1	2

Table 1. Myakka River Benthos, April and September 1989.

Date	Station	Taxa	1	2	3	4	5	6	Total
9/12/89	7b	GAMMARUS PALUSTRIS	0	0	2	0	0	0	2
9/12/89	7b	BRATISLAVIA UNIDENTATA	1	0	0	0	0	0	1
9/12/89	7b	RITHROPANOPEUS HARRISII	1	0	0	0	0	0	1
9/12/89	7c	POLYPEDILUM HALTERES	14	6	22	3	14	8	67
9/12/89	7c	LAONEREIS CULVERI	11	9	0	3	4	7	34
9/12/89	7c	CERATOPOGONIDAE SP.	1	0	2	5	2	0	10
9/12/89	7c	PROCLADIUS NR. ADUMBRATUS	0	0	2	1	0	1	4
9/12/89	7c	CRYPTOTENDIPES SP.	0	2	1	0	0	0	3
9/12/89	7c	TANYTARSUS SP.	0	1	0	0	2	0	3
9/12/89	7c	CRICOTOPUS SP.	0	0	2	0	1	0	3
9/12/89	7c	HARNISCHIA SP.	0	0	1	1	0	0	2
9/12/89	7c	CRYPTOCHIRONOMUS FULVUS	0	0	1	0	0	0	1
9/12/89	7c	TAPHROMYSIS BOWMANI	0	0	0	0	1	0	1

Table 2.

Phylogenetic list of Myakka River Benthos, April and September 1989.

- PHYLUM NEMERTEA
 - PROSTOMA RUBRUM
- PHYLUM ANNELIDA
 - ORDER PHYLLODOCIDA
 - FAMILY NEREIDAE
 - LAEMONEREIS CULVERI
 - FAMILY GONIADIDAE
 - GLYCINDE SOLITARIA
 - CLASS ARCHIANNELIDA
 - FAMILY POLYGORDIIDAE
 - LUMBRICULUS VARIEGATUS
 - ECLIPIDRILUS PALUSTRIS
 - CLASS OLIGOCHAETA
 - ORDER TUBIFICIDA
 - FAMILY ENCHYTRAEIDAE
 - ENCHYTRAEIDAE SPP
 - FAMILY TUBIFICIDAE
 - IMM. TUBIFICIDAE SP. W
 - IMM. TUBIFICIDAE SP. W/O
 - LIMNODRILUS HOFFMEISTERI
 - AULODRILUS PIGUETI
 - HABER SPECIOSUS
 - FAMILY NAIDIDAE
 - NAIDIDAE SP.
 - SLAVINA APPENDICULATA
 - PRISTINA SYNCLITES
 - PRISTINA AEQUISETA
 - PRISTINA LEIDYI
 - DERO FLABELLIGER
 - DERO TRIFIDA
 - DERO DIGITATA
 - DERO VAGA
 - NAIS COMMUNIS
 - NAIS ELINGUIS
 - NAIS PARDALIS
 - NAIS AEQUISETA
 - BRATISLAVIA UNIDENTATA
 - FAMILY OPISTOCYSTIDAE
 - CRUSTIPELLIS TRIBRINCHIATUS
 - CLASS HIRUDINOIDEA
 - HELOBDELLA TRISERIALIS
 - PHYLUM MOLLUSCA
 - CLASS GASTROPODA
 - ORDER BASOMMATOPHORA
 - FAMILY ANCYLLIDAE
 - ANCYLIDAE SP.
 - LAEVAPEX FUSCUS
 - HEBETANCYLUS EXENTRICUS
 - FAMILY PLANORBIDAE
 - PLANORBIDAE SP.
 - GYRAULUS PARVUS
 - PROMENETUS EXACUOUS
 - MENETUS SAMPSONI
 - BIOMPHALARIA GLABRATA
 - FAMILY PHYSIDAE
 - PHYSELLA SP.
 - CLASS BIVALVIA

Table 2.

Phylogenetic list of Myakka River Benthos, April and September 1989.

- ORDER UNIONIDA
 - FAMILY UNIONIDAE
 - ELLIPTIO BUCKLEYI
- ORDER VENEROIDA
 - FAMILY CORBICULIDAE
 - CORBICULA MANILIENSIS
 - FAMILY PISIDIIDAE
 - SPHAERIUM PARTUMEIUM
- PHYLUM ARTHROPODA
 - SUBPHYLUM CRUSTACEA
 - CLASS OSTRACODA
 - SUBCLASS PODOCOPA
 - PODOCOPA SP.
 - SUBCLASS MALACOSTRACA
 - ORDER MYSIDACEA
 - FAMILY MYSIDAE
 - MYSIDOPSIS FURCA
 - TAPHROMYSIS BOWMANI
 - ORDER ISOPODA
 - FAMILY SPHAEROMATIDAE
 - SPHAEROMA SP.
 - SPHAEROMA TEREBRANS
 - ORDER AMPHIPODA
 - FAMILY AORIDAE
 - GRANDIDIERELLA BONNIEROIDES
 - FAMILY GAMMARIDAE
 - GAMMARUS PALUSTRIS
 - FAMILY HYALELLIDAE
 - HYALELLA AZTECA
 - FAMILY TALITRIDAE
 - TALTRIDAE SP.
 - ORDER DECAPODA
 - FAMILY ASTACIDAE
 - ASTACIDAE SP.
 - FAMILY XANTHIDAE
 - RITHROPANOPEUS HARRISII
 - CLASS INSECTA
 - ORDER COLLEMBOLA
 - FAMILY HEPTAGENIIDAE
 - STENONEMA SP. (DAM)
 - ORDER COLEOPTERA
 - FAMILY HALIPLIDAE
 - BRYCHIUS SP.
 - FAMILY GYRINIDAE
 - DINEUTIS SP.
 - FAMILY ELMIDAE
 - STENELMIS SP.
 - DUBIRAPHIA SP.
 - ORDER TRICHOPTERA
 - FAMILY HYDROPSYCHIDAE
 - CHEUMATOPSYCHE SP.
 - FAMILY HYDROPTILIDAE
 - HYDROPTILA SP.
 - ORTHOTRICHIA SP.
 - FAMILY LEPTOCERIDAE
 - LEPTOCERIDAE SP.
 - OECETIS SP.

Table 2.

Phylogenetic list of Myakka River Benthos, April and September 1989.

ORDER DIPTERA

FAMILY CERATOPOGONIDAE

CERATOPOGONIDAE SP.

FAMILY CHIRONOMIDAE

CHIRONOMIDAE SP.

COELOTANYPUS SP.

PROCLADIUS NR. ADUMBRATUS

CORYNONEURA TARIS

CRICOTOPUS SP.

MICROTENDIPES PEDELLUS GP.

STENOCHIRONOMUS SP.

TANYTARSUS SP.

LAUTERBORNIELLA AGRAYLOIDES

HARNISCHIA SP.

TANYPUS SP.

TANYPODINAE SP. (DAM)

CRYPTOCHIRONOMUS SP.

CRYPTOCHIRONOMUS FULVUS

POLYPEDILUM SP.

POLYPEDILUM CONVICTUM

POLYPEDILUM HALTERES

PSEUDUCHIRONOMUS SP.

PSEUDUCHIRONOMUS SP. A

STICTOCHIRONOMUS SP.

CLADOTANYTARSUS SP.

CLADOTANYTARSUS VANDERWULPI GP.

ABLABESMYIA MALLOCHI

ABLABESMYIA PARAJUNTA

DICROTENDIPES NEOMODUSTUS

NANNOCLADIUS MINIMUS

PARALAUTERBORNIELLA NIGROHALTERALIS

RHEOTANYTARSUS SP.

ORTHOCLADIINAE SP. (DAM)

PARACHIRONOMUS SP.

PARACHIRONOMUS ARCUATUS GP.

PARACHIRONOMUS ABORTIUS/HIRTALATU

PENTANEURA SP.

THIENEMANNIELLA SP. (DAM)

TANYTARSINI SP.

CHIRONOMINI SP. (DAM)

EINFELDIA SP.

CRYPTOTENDIPES SP.

LABRUNDINIA NEOPILOSELLA

LABRUNDINIA JOHANNSENI

LABRUNDINIA PILOSELLA

CLADOPELMA SP.

DEMICRYTOCHIRONOMUS SP.

LARSIA SP.

MICROPSECTRA SP.

NILOTHAUMA SP.

NOTOPHILINAE SP.

PARAKIEFFERIELLA SP.

PARATANYTARSUS SP.

PEDIONOMUS BECKAE

PHAENOPSECTRA FLAVIPES

STEMPELLINA SP.

ZAVRELIMYIA SP.

Table 3. Myakka River Benthos: Number of taxa and individuals by major groups.

Sampling Month	Station	Total		Oligochaeta		Chironomidae	
		Taxa	Inds.	Taxa	Inds.	Taxa	Inds.
Apr	1a	45	1376	12	611	25	629
Apr	1b	32	1386	6	330	18	902
Apr	1c	49	1336	11	322	22	703
Apr	2a	54	3657	13	841	23	1875
Apr	2b	33	947	4	205	11	157
Apr	2c	43	2465	10	661	16	301
Apr	3a	31	942	14	466	13	174
Apr	3b	21	746	8	405	10	328
Apr	3c	31	2974	13	1136	16	504
Apr	4a	19	763	7	294	9	461
Apr	4b	12	397	5	180	6	203
Apr	4c	13	602	7	313	5	285
Apr	5a	20	620	6	317	10	150
Apr	5b	19	339	7	159	9	142
Apr	5c	16	550	8	509	6	38
Apr	6a	29	1954	14	1464	12	324
Apr	6b	32	2752	12	629	16	2054
Apr	6c	27	1334	11	944	12	361
Apr	7a	23	929	7	456	9	349
Apr	7b	16	124	5	51	8	52
Apr	7c	26	3477	6	2187	17	1282
Sep	1a	10	914	4	850	5	62
Sep	1b	3	399	1	212	0	0
Sep	1c	7	439	2	425	5	14
Sep	5a	8	466	3	458	4	7
Sep	5b	3	76	3	76	0	0
Sep	5c	5	192	3	190	2	2
Sep	7a	10	226	4	217	4	5
Sep	7b	8	146	5	141	1	2
Sep	7c	10	128	1	34	7	83

APPENDIX 3
Data Tables
Task 4 and Task 6

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std.	Staff Gage	Depth, Total (ft.) (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp °C	Wind Speed (mph)	Direction	
B110	01/18/89	1055	1112	7.49	6.75	0.40	-----	---	89-0062	FOGGY	19.0	CALM	---
B110	01/18/89	1055	1112	7.49	6.75	0.40	-----	---	89-0063	FOGGY	19.0	CALM	---
B110	02/06/89	1020	1035	6.67	6.70	0.50	-----	---	89-0078	CL	28.0	10	E
B110	02/06/89	1020	1035	6.70	6.70	0.50	-----	---	89-0079	CL	28.0	10	E
B110	02/27/89	1029	1051	6.67	-----	0.30	-----	---	89-0114	PC 35%	24.0	0-5	220
B110	02/27/89	1029	1051	6.83	-----	0.30	-----	---	89-0115	PC 35%	24.0	0-5	220
B110	03/02/89	1035	1054	7.26	-----	0.60	-----	---	89-0245	OC	24.0	7	120
B110	03/02/89	1035	1054	7.22	-----	0.60	-----	---	89-0246	OC	24.0	7	120
B110	03/03/89	1010	1031	6.62	-----	1.50	-----	---	89-0261	PC 10%	22.0	6-10	100
B110	03/03/89	1010	1031	6.60	-----	1.50	-----	---	89-0262	PC 10%	22.0	6-10	100
B110	03/13/89	1005	1019	6.58	-----	0.85	-----	---	89-0277	PC 50%	----	0-3	320
B110	03/13/89	1005	1019	6.57	-----	0.85	-----	---	89-0278	PC 50%	----	0-3	320
B110	04/10/89	1044	1059	6.84	-----	0.55	-----	---	89-0313	CL	32.0	3-5	220
B110	04/10/89	1044	1059	6.83	-----	0.55	-----	---	89-0314	CL	32.0	3-5	220
B110	05/01/89	1024	1046	6.68	-----	1.40	-----	---	89-0349	PC 75%	28.0	7-9	170
B110	05/01/89	1024	1046	6.68	-----	1.40	-----	---	89-0350	PC 75%	28.0	7-9	170
B110	05/30/89	0930	0949	6.90	-----	0.10	-----	---	89-0474	PC 60%	21.0	4-7	140
B110	05/30/89	0930	0949	6.87	-----	0.10	-----	---	89-0475	PC 60%	21.0	4-7	140
B110	06/06/89	1711	1724	6.91	-----	0.25	-----	---	89-0508	OC	27.0	CALM	---
B110	06/06/89	1711	1724	6.97	-----	0.25	-----	---	89-0509	OC	27.0	CALM	---
B110	06/07/89	1634	1707	7.27	-----	0.25	-----	---	89-0534	PC 70%	32.0	2-6	210
B110	06/07/89	1634	1707	7.37	-----	0.25	-----	---	89-0535	PC 70%	32.0	2-6	210
B110	06/07/89	0506	0527	7.03	-----	0.20	-----	---	89-0524	FOGGY	24.0	CALM	---
B110	06/07/89	0506	0527	7.00	-----	0.20	-----	---	89-0525	FOGGY	24.0	CALM	---
B110	06/26/89	1005	1035	6.37	7.11	1.70	-----	---	89-0550	CL	28.0	3	180
B110	06/26/89	1005	1035	6.35	7.11	1.70	-----	---	89-0551	CL	28.0	3	180
B110	07/10/89	1041	1057	6.44	-----	2.25	-----	---	89-0586	PC 50%	----	3-4	100
B110	07/10/89	1041	1057	6.42	-----	2.25	-----	---	89-0587	PC 50%	----	3-5	100
B110	07/24/89	1124	1145	6.49	9.02	2.25	-----	---	89-0625	PC 80%	31.0	4-5	60
B110	07/24/89	1124	1145	6.46	9.02	2.25	-----	---	89-0626	PC 80%	31.0	4-5	60
B110	07/25/89	1028	1047	6.05	9.73	2.35	-----	---	89-0622	PC 60%	29.5	7	80
B110	07/25/89	1028	1047	6.00	9.73	2.35	-----	---	89-0639	PC 60%	29.5	7	80
B110	07/25/89	1623	1634	6.22	9.91	2.75	-----	---	89-0652	PC THUNDER	32.0	4-7	60
B110	07/25/89	1623	1634	6.20	9.91	2.75	-----	---	89-0653	PC THUNDER	32.0	4-7	60
B110	07/26/89	1037	1055	6.55	10.00	2.45	-----	---	89-0654	OC	28.0	----	---
B110	07/26/89	1037	1055	6.52	10.00	2.45	-----	---	89-0655	OC	28.0	----	---
B110	07/27/89	0952	1017	6.49	9.61	1.95	-----	---	89-0668	HZ	29.0	2-5	120
B110	07/27/89	0952	1017	6.45	9.61	1.95	-----	---	89-0669	HZ	29.0	2-5	120
B110	07/28/89	1046	1116	6.31	9.02	2.65	-----	---	89-1658	HZ	31.0	2-4	220
B110	07/28/89	1046	1116	6.26	9.02	2.65	-----	---	89-1659	HZ	31.0	2-4	220
B110	07/29/89	0848	0909	6.26	8.53	2.10	-----	---	89-1670	PC 10%	27.0	CALM	---
B110	07/29/89	0848	0909	6.25	8.53	2.10	-----	---	89-1671	PC 10%	27.0	CALM	---
B110	08/07/89	1048	1103	6.10	7.52	1.65	-----	---	89-1694	PC 50%	28.0	CALM	---
B110	08/07/89	1048	1103	6.07	7.52	1.65	-----	---	89-1695	PC 50%	28.0	CALM	---
B110	08/21/89	1035	1051	7.15	7.80	1.80	-----	---	89-1734	PC 75%	29.0	4-6	160
B110	08/21/89	1035	1051	7.13	7.80	1.80	-----	---	89-1735	PC 75%	29.0	4-6	160
B110	09/11/89	1052	1100	6.50	8.55	2.00	-----	---	89-1870	PC 15%	30.0	5	SE

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Std.	Staff Gage	Depth, Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed Direction (mph)
B110	09/11/89	1052	1100	6.49	8.55	2.00	-----	---	89-1871	PC 15%	30.0	5 SE
B110	09/25/89	1047	1102	6.78	5.87	1.25	-----	---	89-1866	OC	26.0	5-7 30
B110	09/25/89	1047	1102	6.74	5.87	1.25	-----	---	89-1867	OC	26.0	5-7 30
B110	09/26/89	1049	1104	6.58	8.94	2.15	-----	---	89-1912	PC 90%	29.0	3-7 160
B110	09/26/89	1049	1104	6.51	8.94	2.15	-----	---	89-1913	PC 90%	29.0	3-7 160
B110	09/27/89	1016	1033	6.47	10.17	2.25	-----	---	89-1990	PC 20%	27.0	2-3 140
B110	09/27/89	1016	1033	6.43	10.17	2.25	-----	---	89-1991	PC 20%	27.0	2-3 140
B110	09/28/89	0958	1017	6.19	10.71	2.75	-----	---	89-2006	PC 15%	28.0	5-7 100
B110	09/28/89	0958	1017	6.14	10.71	2.75	-----	---	89-2007	PC 15%	28.0	5-7 100
B110	09/29/89	1051	1107	6.44	10.54	2.55	-----	---	89-2020	PC 60%	28.0	9 100
B110	09/29/89	1051	1107	6.40	10.54	2.55	-----	---	89-2021	PC 60%	28.0	9 100
B110	10/30/89	1008	1024	6.87	4.25	0.60	-----	---	89-2036	OC	23.5	4 320
B110	10/30/89	1008	1024	6.78	4.25	0.60	-----	---	89-2037	OC	23.5	4 320
B110	11/13/89	1020	1031	7.05	3.84	0.50	-----	---	89-2072	PC 80%	26.0	5-7 110
B110	11/13/89	1020	1031	7.07	3.84	0.50	-----	---	89-2073	PC 80%	26.0	5-7 110
B110	12/04/89	1119	1130	7.18	3.86	0.60	-----	---	89-2378	CL	17.0	CALM ---
B110	12/04/89	1119	1130	7.15	3.86	0.60	-----	---	89-2379	CL	17.0	CALM ---
B120	01/18/89	0950	1010	8.57	10.54	0.20	-----	---	89-0060	FOGGY	20.0	2-3 NW
B120	01/18/89	0950	1010	8.57	10.54	0.20	-----	---	89-0061	FOGGY	20.0	2-3 NW
B120	02/06/89	0908	0933	7.32	10.69	0.55	-----	---	89-0076	CL	22.0	5-7 W
B120	02/06/89	0908	0933	7.37	10.69	0.55	-----	---	89-0077	CL	22.0	5-7 W
B120	02/27/89	0915	0950	8.05	10.53	0.25	-----	---	89-0112	CL	23.0	3-4 120
B120	02/27/89	0915	0950	8.21	10.53	0.25	-----	---	89-0113	CL	23.0	3-4 120
B120	03/02/89	0944	1000	8.12	10.60	0.45	-----	---	89-0243	OC	24.5	0-2 60
B120	03/02/89	0944	1000	8.08	10.60	0.45	-----	---	89-0244	OC	24.5	0-2 60
B120	03/03/89	0918	0932	7.44	10.68	0.50	-----	---	89-0259	PC 2%	23.5	2-5 120
B120	03/03/89	0918	0932	7.44	10.68	0.50	-----	---	89-0260	PC 2%	23.5	2-5 120
B120	03/13/89	0911	0927	7.84	10.66	0.45	-----	---	89-0275	PC 60%	23.0	3-5 300
B120	03/13/89	0911	0927	7.79	10.66	0.45	-----	---	89-0276	PC 60%	23.0	3-5 300
B120	04/10/89	0955	1016	8.89	-----	0.70	-----	---	89-0311	PC 35%	29.0	7-10 220
B120	04/10/89	0955	1016	8.86	-----	0.70	-----	---	89-0312	PC 35%	29.0	7-10 220
B120	05/01/89	0940	0958	8.17	-----	0.65	-----	---	89-0347	PC 80%	27.0	8-9 180
B120	05/01/89	0940	0958	8.21	-----	0.65	-----	---	89-0348	PC 80%	27.0	8-9 180
B120	05/30/89	1719	1736	6.45	10.20	0.10	-----	---	89-0383	RAIN	21.0	CALM ---
B120	05/30/89	1719	1736	5.62	10.20	0.10	-----	---	89-0384	RAIN	21.0	CALM ---
B120	06/06/89	2258	2313	5.75	10.20	0.20	-----	---	89-0522	PC	22.0	CALM ---
B120	06/06/89	2258	2313	6.34	10.20	0.20	-----	---	89-0523	PC	22.0	CALM ---
B120	06/06/89	1609	1631	6.06	10.44	0.45	-----	---	89-0506	RAIN	24.0	CALM ---
B120	06/06/89	1609	1631	5.77	10.44	0.45	-----	---	89-0507	RAIN	24.0	CALM ---
B120	07/10/89	0944	1002	7.11	10.34	0.20	-----	---	89-0584	PC 30%	30.0	0-2 120
B120	07/10/89	0944	1022	7.10	10.34	0.20	-----	---	89-0585	PC 30%	30.0	0-2 120
B120	07/24/89	1037	1048	7.12	10.54	0.25	-----	---	89-0623	PC 80%	29.0	3-5 60
B120	07/24/89	1037	1048	7.12	10.54	0.25	-----	---	89-0624	PC 80%	29.0	3-5 60
B120	07/25/89	0936	0947	6.84	10.54	0.25	-----	---	89-0620	PC 50%	28.0	4-5 80
B120	07/25/89	0936	0947	6.82	10.54	0.25	-----	---	89-0621	PC 50%	28.0	4-5 80
B120	08/07/89	0956	1009	6.33	11.19	0.50	-----	---	89-1692	PC 10%	28.0	CALM ---
B120	08/07/89	0956	1009	6.32	11.19	0.50	-----	---	89-1693	PC 10%	28.0	CALM ---

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction	
B120	08/21/89	0947	0957	6.71	11.18	0.50	-----	---	89-1732	-----	26.0	CALM	---
B120	08/21/89	0947	0957	6.70	11.18	0.50	-----	---	89-1733	-----	26.0	CALM	---
B120	09/11/89	0949	1013	6.59	13.56	1.50	-----	---	89-1868	CL	28.0	0-5	SE
B120	09/11/89	0949	1013	6.57	13.56	1.50	-----	---	89-1869	CL	28.0	0-5	SE
B120	09/25/89	0947	1002	6.57	11.89	0.60	-----	---	89-1856	RAIN	23.2	CALM	---
B120	09/25/89	0947	1002	6.49	11.89	0.60	-----	---	89-1857	RAIN	23.2	CALM	---
B120	09/26/89	0949	1005	6.32	13.54	1.10	-----	---	89-1910	OC	26.0	<2	260
B120	09/26/89	0949	1005	6.28	13.54	1.10	-----	---	89-1911	OC	26.0	<2	260
B120	09/27/89	0921	0935	6.41	13.80	1.10	-----	---	89-1988	PC 15%	25.0	CALM	---
B120	09/27/89	0921	0935	6.41	13.80	1.10	-----	---	89-1989	PC 15%	25.0	CALM	---
B120	09/28/89	0857	0913	6.16	13.48	1.00	-----	---	89-2004	CL	26.0	CALM	---
B120	09/28/89	0857	0913	6.13	13.48	1.00	-----	---	89-2005	CL	26.0	CALM	---
B120	09/29/89	0958	1010	6.30	13.12	0.90	-----	---	89-2018	PC 75%	26.0	4-6	120
B120	09/29/89	0958	1010	6.26	13.12	0.90	-----	---	89-2019	PC 75%	26.0	4-6	120
B120	10/30/89	0910	0925	7.29	10.61	0.20	-----	---	89-2034	OC	23.0	2	320
B120	10/30/89	0910	0925	7.27	10.61	0.20	-----	---	89-2035	OC	23.0	2	320
B120	11/13/89	0923	0935	7.39	10.53	0.20	-----	---	89-2070	PC 70%	26.0	2-4	30
B120	11/13/89	0923	0935	7.41	10.53	0.20	-----	---	89-2071	PC 70%	26.0	2-4	30
B120	12/04/89	1024	1037	7.62	10.48	0.20	-----	---	89-2376	CL	20.0	CALM	---
B120	12/04/89	1024	1037	7.60	10.48	0.20	-----	---	89-2377	CL	20.0	CALM	---
B130	01/18/89	1142	1205	7.10	15.26	1.70	-----	---	89-0064	FOGGY	17.5	----	----
B130	01/18/89	1142	1205	7.10	15.26	1.70	-----	---	89-0065	FOGGY	17.5	----	----
B130	02/06/89	1058	1123	6.43	15.56	1.70	-----	---	89-0080	PC 70%	28.0	10	E
B130	02/06/89	1058	1123	6.40	15.56	1.70	-----	---	89-0081	PC 70%	28.0	10	E
B130	02/27/89	1112	1144	7.20	15.22	1.50	-----	---	89-0116	PC 30%	23.5	7	200
B130	02/27/89	1112	1144	7.21	15.22	1.50	-----	---	89-0117	PC 30%	23.5	7	200
B130	03/02/89	1114	1134	7.29	15.30	1.55	-----	---	89-0247	OC	28.0	3-5	100
B130	03/02/89	1114	1134	7.27	15.30	1.55	-----	---	89-0248	OC	28.0	3-5	100
B130	03/03/89	1055	1116	6.56	15.60	1.65	-----	---	89-0263	PC 50%	23.0	0-7	100
B130	03/03/89	1055	1116	6.54	15.60	1.65	-----	---	89-0264	PC 50%	23.0	0-7	100
B130	03/13/89	1040	1101	6.23	15.96	1.55	-----	---	89-0279	PC 20%	27.0	CALM	---
B130	03/13/89	1040	1101	6.21	15.96	1.55	-----	---	89-0280	PC 20%	27.0	CALM	---
B130	04/10/89	1125	1142	6.87	15.42	1.60	-----	---	89-0315	PC 5%	29.5	5-8	200
B130	04/10/89	1125	1142	6.87	15.42	1.60	-----	---	89-0316	PC 5%	29.5	5-8	200
B130	05/01/89	1106	1124	6.86	15.45	1.70	-----	---	89-0351	PC 65%	29.0	8-10	160
B130	05/01/89	1106	1124	6.86	15.45	1.70	-----	---	89-0352	PC 65%	29.0	8-10	160
B130	05/30/89	1016	1037	6.65	14.62	1.30	-----	---	89-0476	PC 80%	30.0	4-6	120
B130	05/30/89	1016	1037	6.65	14.62	1.30	-----	---	89-0477	PC 80%	30.0	4-6	120
B130	06/06/89	1741	1758	7.39	14.54	1.30	-----	---	89-0510	OC	----	CALM	---
B130	06/06/89	1741	1758	7.49	14.54	1.30	-----	---	89-0511	OC	----	CALM	---
B130	06/07/89	1734	1814	7.75	14.61	1.35	-----	---	89-0536	PC 70%	34.0	4-9	210
B130	06/07/89	1734	1814	8.33	14.61	1.35	-----	---	89-0537	PC 70%	34.0	4-9	210
B130	06/07/89	0920	0940	7.01	14.60	2.50	-----	---	89-0532	PC 80%	----	CALM	---
B130	06/07/89	0920	0940	6.98	14.60	2.50	-----	---	89-0533	PC 80%	----	CALM	---
B130	06/09/89	0853	0946	7.27	14.58	0.95	-----	---	89-0544	PC 40%	32.0	CALM	---
B130	06/09/89	0853	0946	7.31	14.58	0.95	-----	---	89-0545	PC 40%	32.0	CALM	---
B130	06/26/89	1101	1120	6.48	16.02	1.90	-----	---	89-0552	PC 10%	30.0	3-4	100

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B130	06/26/89	1101	1120	6.44	16.02	1.90	-----	---	89-0553 PC 10%	30.0	3-4	100
B130	07/10/89	1125	1141	6.31	17.94	3.00	-----	---	89-0588 PC 30%	32.0	2-3	120
B130	07/10/89	1125	1141	6.26	17.94	3.00	-----	---	89-0589 PC 30%	32.0	2-3	120
B130	07/24/89	1203	1216	6.59	17.36	2.45	-----	---	89-0627 PC 80%	30.0	11	60
B130	07/24/89	1203	1216	6.57	17.36	2.45	-----	---	89-0628 PC 80%	30.0	11	60
B130	07/25/89	1104	1119	6.21	17.53	2.60	-----	---	89-0640 PC 50%	29.5	14	90
B130	07/25/89	1104	1119	6.16	17.53	2.60	-----	---	89-0641 PC 50%	29.5	14	80
B130	07/26/89	1114	1127	6.08	17.50	2.40	-----	---	89-0656 HZ 80%	30.0	5	80
B130	07/26/89	1114	1127	6.06	17.60	2.40	-----	---	89-0657 HZ 80%	30.0	5	80
B130	07/28/89	1136	1157	6.15	17.60	2.75	-----	---	89-1660 PC 30%	34.0	2-6	180
B130	07/28/89	1136	1157	6.13	17.60	2.75	-----	---	89-1661 PC 30%	34.0	2-6	180
B130	07/29/89	0927	0942	6.14	17.46	2.30	-----	---	89-1672 PC 15%	27.0	2-4	120
B130	07/29/89	0927	0942	6.12	17.46	2.30	-----	---	89-1673 PC 15%	27.0	2-4	120
B130	07/30/89	1030	----	6.31	17.31	2.20	-----	---	89-1682 PC 50%	29.0	CALM	---
B130	07/30/89	1030	----	6.33	17.31	2.20	-----	---	89-1683 PC 50%	29.0	CALM	---
B130	08/07/89	1122	1135	6.06	16.99	1.80	-----	---	89-1696 PC 40%	31.0	2-7	180
B130	08/07/89	1122	1135	5.99	16.99	1.80	-----	---	89-1697 PC 40%	31.0	2-7	180
B130	08/21/89	1110	1121	6.33	16.96	2.90	-----	---	89-1736 PC 70%	32.0	4-6	160
B130	08/21/89	1110	1121	6.33	16.96	2.90	-----	---	89-1737 PC 70%	32.0	4-6	160
B130	09/11/89	1128	1140	6.26	17.40	2.30	-----	---	89-1872 PC 20%	30.0	7-8	E
B130	09/11/89	1128	1140	6.23	17.40	2.30	-----	---	89-1873 PC 20%	30.0	7-8	E
B130	09/25/89	1129	1142	6.33	16.52	1.60	-----	---	89-1864 OC	27.0	2-4	30
B130	09/25/89	1129	1142	6.29	16.52	1.60	-----	---	89-1865 OC	27.0	2-4	80
B130	09/26/89	1126	1135	6.31	17.34	2.40	-----	---	89-1914 PC 75%	28.0	6	200
B130	09/26/89	1126	1135	6.27	17.34	2.40	-----	---	89-1915 PC 75%	28.0	6	200
B130	09/27/89	1050	1100	6.22	17.73	2.30	-----	---	89-1992 -----	29.0	2-4	100
B130	09/27/89	1050	1100	6.22	17.73	2.30	-----	---	89-1993 -----	29.0	2-4	100
B130	09/28/89	1045	1103	6.49	17.87	2.35	-----	---	89-2008 PC 40%	29.9	6-8	100
B130	09/28/89	1045	1103	6.52	17.87	2.35	-----	---	89-2009 PC 40%	29.9	6-8	100
B130	09/29/89	1125	1135	6.36	18.03	2.50	-----	---	89-2022 PC 75%	29.0	7	100
B130	09/29/89	1125	1135	6.34	18.03	2.50	-----	---	89-2023 PC 75%	29.0	7	100
B130	10/03/89	0945	1012	6.16	17.57	2.40	-----	---	89-2030 CL	28.0	6-7	20
B130	10/03/89	0945	1012	6.14	17.57	2.40	-----	---	89-2031 CL	28.0	6-7	20
B130	10/30/89	1049	1100	6.66	16.03	2.00	-----	---	89-2038 -----	23.0	CALM	---
B130	10/30/89	1049	1100	6.61	15.03	2.00	-----	---	89-2039 -----	23.0	CALM	---
B130	11/13/89	1050	1102	6.95	15.74	1.60	-----	---	89-2074 PC 80%	25.5	10	100
B130	11/13/89	1050	1102	6.92	15.74	1.60	-----	---	89-2075 PC 80%	25.5	10	100
B130	12/04/89	1149	1202	7.38	15.76	2.20	-----	---	89-2380 CL	13.0	CALM	---
B130	12/04/89	1149	1202	7.36	15.76	2.20	-----	---	89-2381 CL	13.0	CALM	---
B140	01/18/89	1229	1251	6.77	33.94	1.70	-----	---	89-0066 FOGGY	19.0	5-8	NW
B140	01/18/89	1229	1251	6.77	33.94	1.70	-----	---	89-0067 FOGGY	19.0	5-8	NW
B140	02/06/89	1143	1212	7.07	-----	1.75	-----	---	89-0082 PC	28.0	15	SE
B140	02/06/89	1143	1212	7.17	-----	1.75	-----	---	89-0083 PC	28.0	15	SE
B140	02/27/89	1228	1256	7.73	33.82	1.40	-----	---	89-0118 PC 20%	23.0	4-6	200
B140	02/27/89	1228	1256	7.83	33.82	1.40	-----	---	89-0119 PC 20%	23.0	4-6	200
B140	03/02/89	1157	1217	7.67	33.80	1.50	-----	---	89-0249 OC	24.0	2-3	140
B140	03/02/89	1157	1217	7.64	33.80	1.50	-----	---	89-0250 OC	24.0	2-3	140

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B140	03/03/89	1139	1214	7.67	34.20	1.60	-----	---	89-0265 OC	27.0	2-5	140
B140	03/03/89	1139	1214	7.69	34.20	1.60	-----	---	89-0266 OC	27.0	2-5	140
B140	03/13/89	1124	1142	6.51	35.23	1.80	-----	---	89-0281 PC 20%	27.0	2-4	280
B140	03/13/89	1124	1142	6.43	35.23	1.80	-----	---	89-0282 PC 20%	27.0	2-4	280
B140	04/10/89	1205	1224	7.09	34.38	1.60	-----	---	89-0317 PC 10%	----	2-5	180
B140	04/10/89	1205	1224	7.10	34.38	1.60	-----	---	89-0318 PC 10%	----	2-5	180
B140	05/01/89	1144	1202	7.12	34.09	1.70	-----	---	89-0353 PC 60%	30.0	8-12	180
B140	05/01/89	1144	1202	7.14	34.09	1.70	-----	---	89-0354 PC 60%	30.0	8-12	180
B140	05/30/89	1052	1113	6.60	33.60	1.50	-----	---	89-0478 PC 80%	33.0	5-7	20
B140	05/30/89	1052	1113	6.59	33.60	1.50	-----	---	89-0479 PC 80%	33.0	5-7	20
B140	06/06/89	1811	1829	7.16	5.36	1.50	-----	---	89-0512 RAIN	----	CALM	---
B140	06/06/89	1811	1829	7.16	5.36	1.50	-----	---	89-0513 RAIN	----	CALM	---
B140	06/07/89	1836	1902	6.93	5.35	1.35	-----	---	89-0538 PC 60%	30.0	2-5	210
B140	06/07/89	1836	1902	6.92	5.35	1.35	-----	---	89-0539 PC 60%	30.0	2-5	210
B140	06/09/89	1004	1041	6.88	5.29	1.35	-----	---	89-0546 PC 50%	32.0	3-5	160
B140	06/09/89	1004	1041	6.90	5.29	1.35	-----	---	89-0547 PC 50%	32.0	3-5	160
B140	06/26/89	1131	1149	6.72	5.29	1.40	-----	---	89-0554 PC 30%	30.0	CALM	---
B140	06/26/89	1131	1149	6.68	5.29	1.40	-----	---	89-0555 PC 30%	30.0	CALM	---
B140	07/10/89	1200	1218	6.41	36.94	2.50	-----	---	89-0590 PC 40%	32.0	3-4	60
B140	07/10/89	1200	1218	6.34	36.94	2.50	-----	---	89-0591 PC 40%	32.0	3-4	60
B140	07/24/89	1231	1251	6.64	36.10	2.00	-----	---	89-0629 PC 80%	28.0	7	60
B140	07/24/89	1231	1251	6.66	36.10	2.00	-----	---	89-0630 PC 80%	28.0	7	60
B140	07/25/89	1137	1158	6.16	6.20	2.10	-----	---	89-0642 PC 50%	29.5	8-10	80
B140	07/25/89	1137	1158	6.12	6.20	2.10	-----	---	89-0643 PC 50%	29.5	8-10	80
B140	07/26/89	1144	1201	6.23	36.23	2.00	-----	---	89-0658 HZ 70%	29.0	3-5	60
B140	07/26/89	1144	1201	6.26	36.23	2.00	-----	---	89-0659 HZ 70%	29.0	3-5	60
B140	07/28/89	1217	1245	6.33	6.47	2.10	-----	---	89-1662 PC 30%	34.0	CALM	---
B140	07/28/89	1217	1245	6.35	6.47	2.10	-----	---	89-1663 PC 30%	34.0	CALM	---
B140	07/29/89	0956	1021	6.64	6.48	2.40	-----	---	89-1674 PC 25%	28.0	2-4	120
B140	07/29/89	0956	1021	6.62	6.48	2.40	-----	---	89-1675 PC 25%	28.0	2-4	120
B140	07/30/89	1115	1143	6.19	6.43	2.10	-----	---	89-1684 PC 80%	31.0	CALM	---
B140	07/30/89	1115	1143	6.21	6.43	2.10	-----	---	89-1685 PC 80%	31.0	CALM	---
B140	07/31/89	1019	1042	6.07	6.47	2.50	-----	---	89-1688 PC 50%	30.0	CALM	---
B140	07/31/89	1019	1042	6.07	6.47	2.50	-----	---	89-1689 PC 50%	30.0	CALM	---
B140	08/07/89	1150	1206	5.69	6.25	2.10	-----	---	89-1698 PC 50%	32.0	2-4	160
B140	08/07/89	1150	1206	5.69	6.25	2.10	-----	---	89-1699 PC 50%	32.0	2-4	160
B140	08/21/89	1136	1156	6.39	6.08	3.05	-----	---	89-1738 PC 75%	30.1	4-6	160
B140	08/21/89	1136	1156	6.38	6.08	3.05	-----	---	89-1739 PC 75%	30.1	4-6	160
B140	09/11/89	1332	1348	6.45	6.66	3.50	-----	---	89-1874 PC 40%	33.0	8-10	N
B140	09/11/89	1332	1348	6.43	6.66	3.50	-----	---	89-1875 PC 40%	33.0	8-10	N
B140	09/25/89	1207	1222	6.43	5.69	3.25	-----	---	89-1858 PC 90%	28.0	7	180
B140	09/25/89	1207	1222	6.39	5.69	3.25	-----	---	89-1859 PC 90%	28.0	7	180
B140	09/27/89	1122	1136	6.77	6.13	3.40	-----	---	89-1994 PC 30%	30.0	5-8	100
B140	09/27/89	1122	1136	6.75	6.13	3.40	-----	---	89-1995 PC 30%	30.0	5-8	100
B140	10/03/89	1043	----	6.34	6.97	----	-----	---	89-2032 CL	26.0	5-9	360
B140	10/03/89	1043	----	6.30	6.97	----	-----	---	89-2033 CL	26.0	5-9	360
B140	10/30/89	1125	1140	6.90	4.56	2.90	-----	---	89-2-4- OC	23.5	CALM	---

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B140	10/30/89	1125	1140	6.86	4.56	2.90	-----	---	89-2041 OC	23.5	CALM	---
B140	11/13/89	1128	1141	7.19	6.36	2.80	-----	---	89-2076 PC 90%	26.5	4-6	110
B140	11/13/89	1128	1141	7.13	6.86	2.80	-----	---	89-2077 PC 90%	26.5	4-6	110
B140	12/04/89	1229	1245	7.84	3.75	2.60	-----	---	89-2382 CL	15.0	2-4	20
B140	12/04/89	1229	1245	7.77	3.75	2.60	-----	---	89-2383 CL	15.0	2-4	20
B150	01/18/89	1306	1321	7.23	25.24	0.90	-----	---	89-0069 CL	19.5	5-7	NW
B150	01/18/89	1306	1321	7.23	25.24	0.90	-----	---	89-0068 CL	19.5	5-7	NW
B150	02/06/89	1238	----	7.53	25.18	0.65	-----	---	89-0084 PC	32.0	7-10	SE
B150	02/06/89	1238	----	7.64	25.18	0.65	-----	---	89-0085 PC	32.0	7-10	SE
B150	02/27/89	1311	1346	7.66	25.33	0.95	-----	---	89-0120 PC 10%	26.0	5-7	210
B150	02/27/89	1311	1346	7.67	25.33	----	-----	---	89-0121 PC 10%	26.0	5-7	210
B150	03/02/89	1305	1328	8.14	25.32	1.90	-----	---	89-0251 OC	29.0	0-5	140
B150	03/02/89	1305	1328	8.12	25.32	1.90	-----	---	89-0252 OC	29.0	0-5	140
B150	03/03/89	1315	1335	6.94	26.27	1.80	-----	---	89-0267 PC 95%	31.0	5-10	205
B150	03/03/89	1315	1335	6.93	26.27	1.80	-----	---	89-0268 PC 95%	31.0	5-10	205
B150	03/13/89	1156	1220	7.13	25.29	1.75	-----	---	89-0283 PC 10%	28.0	4-7	280
B150	03/13/89	1156	1220	6.07	25.29	1.75	-----	---	89-0284 PC 10%	28.0	4-7	280
B150	04/10/89	1306	1322	7.45	25.07	0.45	-----	---	89-0319 PC 35%	31.0	2-4	200
B150	04/10/89	1306	1322	7.47	25.07	0.45	-----	---	89-0320 PC 35%	31.0	2-4	200
B150	05/01/89	1217	1233	7.11	25.46	1.00	-----	---	89-0355 PC 60%	30.0	7-9	180
B150	05/01/89	1217	1233	7.16	25.46	1.00	-----	---	89-0356 PC 60%	30.0	7-9	180
B150	05/30/89	1128	1148	7.14	24.97	0.45	-----	---	89-0480 PC 80%	32.0	7-9	40
B150	05/30/89	1128	1148	7.19	24.97	0.45	-----	---	89-0481 PC 80%	32.0	7-9	40
B150	06/06/89	1850	1908	6.79	25.10	0.70	-----	---	89-0514 RAIN	23.0	CALM	---
B150	06/06/89	1850	1908	6.97	25.10	0.70	-----	---	89-0515 RAIN	23.0	CALM	---
B150	06/07/89	0621	0635	7.13	25.08	0.30	-----	---	89-0526 PC 25%	23.5	CALM	---
B150	06/07/89	0621	0635	7.07	25.08	0.30	-----	---	89-0527 PC 25%	23.5	CALM	---
B150	06/08/89	0919	0953	7.16	25.00	0.35	-----	---	89-0540 PC 40%	28.0	6-8	120
B150	06/08/89	0919	0953	7.26	25.00	0.35	-----	---	89-0541 PC 40%	28.0	6-8	120
B150	06/26/89	1203	1222	7.02	25.22	0.70	-----	---	89-0555 PC 25%	31.0	CALM	---
B150	06/26/89	1203	1222	7.06	25.22	0.70	-----	---	89-0556 PC 25%	31.0	CALM	---
B150	07/10/89	1233	1247	6.97	25.42	0.70	-----	---	89-0592 PC 60%	33.0	3-4	100
B150	07/10/89	1233	1247	6.97	25.42	0.70	-----	---	89-0593 PC 60%	33.0	3-4	100
B150	07/24/89	1304	1317	6.86	26.55	0.90	-----	---	89-0631 PC 90% TS NEAR	30.0	6-10	60
B150	07/24/89	1304	1317	6.89	26.55	0.90	-----	---	89-0632 PC 90% TS NEAR	30.0	6-10	60
B150	07/25/89	1212	1227	6.72	26.63	0.95	-----	---	89-0644 PC 50%	31.0	7-9	120
B150	07/25/89	1212	1227	6.69	26.63	0.95	-----	---	89-0645 PC 50%	31.0	7-9	120
B150	07/26/89	1344	1356	6.58	26.67	0.90	-----	---	89-0662 HZ 80%	33.0	2-3	100
B150	07/26/89	1344	1356	6.56	26.67	0.90	-----	---	89-0663 HZ 80%	33.0	2-3	100
B150	07/28/89	1305	1326	6.53	26.41	0.90	-----	---	89-1664 PC 30%	35.0	CALM	---
B150	07/28/89	1305	1326	6.63	26.41	0.90	-----	---	89-1665 PC 30%	35.0	CALM	---
B150	07/29/89	1037	1052	6.64	26.50	0.90	-----	---	89-1676 PC 30%	29.0	CALM	120
B150	07/29/89	1037	1052	6.63	26.50	0.90	-----	---	89-1677 PC 30%	29.0	CALM	120
B150	08/07/89	1220	1231	6.66	26.05	0.75	-----	---	89-1700 PC 60%	31.0	5	300
B150	08/07/89	1220	1231	6.61	26.05	0.75	-----	---	89-1701 PC 60%	31.0	5	300
B150	08/21/89	1209	1223	6.96	25.91	0.75	-----	---	89-1740 -----	33.0	2-5	160
B150	08/21/89	1209	1223	6.90	25.91	0.75	-----	---	89-1741 -----	33.0	2-5	160

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std.	Staff Gage units (ft.)	Depth, Total (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B150	09/11/89	1400	1412	6.77	25.69	0.60	-----	--- 89-1876	PC 50%	30.0	7-8	NE
B150	09/11/89	1400	1412	6.76	25.69	0.60	-----	--- 89-1877	PC 50%	30.0	7-8	NE
B150	09/25/89	1241	1253	6.76	25.84	0.70	-----	--- 89-1908	PC 90%	29.0	5-7	160
B150	09/25/89	1241	1253	5.76	25.84	0.70	-----	--- 89-1909	PC 90%	29.0	5-7	160
B150	09/26/89	1218	1223	7.11	26.26	0.75	-----	--- 89-1916	OC	28.0	----	----
B150	09/26/89	1218	1230	7.07	26.26	0.75	-----	--- 89-1917	OC	28.0	----	----
B150	09/27/89	1150	1201	6.86	26.64	1.10	-----	--- 89-1996	PC 50%	32.0	4-6	100
B150	09/27/89	1150	1201	6.84	26.64	1.10	-----	--- 89-1997	PC 50%	32.0	4-6	100
B150	09/28/89	1140	1207	6.48	26.94	0.90	-----	--- 89-2010	PC 40%	30.2	5-9	100
B150	09/28/89	1140	1207	6.50	26.94	0.90	-----	--- 89-2011	PC 40%	30.2	5-9	100
B150	09/29/89	1208	1219	6.97	26.99	0.95	-----	--- 89-2024	PC 50%	31.5	7	100
B150	09/29/89	1209	1219	6.94	26.99	0.95	-----	--- 89-2025	PC 50%	31.5	7	100
B150	10/30/89	1153	1204	7.31	25.02	0.60	-----	--- 89-2042	OC	24.0	2-3	340
B150	10/30/89	1153	1204	7.30	25.02	0.60	-----	--- 89-2043	OC	24.0	2-3	340
B150	11/13/89	1154	1205	7.57	25.19	0.60	-----	--- 89-2078	PC 90%	27.5	6-8	100
B150	11/13/89	1154	1205	7.57	25.19	0.60	-----	--- 89-2079	PC 90%	27.5	6-8	100
B150	12/04/89	1258	1315	7.49	25.07	0.90	-----	--- 89-2384	PC 10%	17.0	CALM	----
B150	12/04/89	1258	1315	7.50	25.07	0.90	-----	--- 89-2385	PC 10%	17.0	CALM	----
B160	01/18/89	----	1532	7.26	0.82	0.20	-----	--- 89-0070	CL	22.0	CALM	----
B160	01/18/89	----	1532	7.26	0.82	0.20	-----	--- 89-0071	CL	22.0	CALM	----
B160	02/06/89	1340	1408	7.27	1.33	0.30	-----	--- 89-0086	PC	31.5	CALM	SE
B160	02/06/89	1340	1408	7.24	1.33	0.30	-----	--- 89-0087	PC	31.5	CALM	SE
B160	02/27/89	1427	1456	7.27	0.80	0.20	-----	--- 89-0122	CL	----	7-9	200
B160	02/27/89	1427	1456	7.26	0.80	0.20	-----	--- 89-0123	CL	----	7-9	200
B160	03/02/89	1418	1438	7.31	0.82	0.20	-----	--- 89-0253	OC	29.0	CALM	----
B160	03/02/89	1418	1438	7.29	0.82	0.20	-----	--- 89-0254	OC	29.0	CALM	----
B160	03/03/89	1421	1440	6.93	1.02	0.25	-----	--- 89-0269	PC 85%	28.0	5-10	180
B160	03/03/89	1421	1440	6.91	1.02	0.25	-----	--- 89-0270	PC 85%	28.0	6-10	180
B160	03/13/89	1332	1351	7.49	1.85	0.50	-----	--- 89-0285	S 5%	29.0	2-5	320
B160	03/13/89	1332	1351	7.51	1.85	0.50	-----	--- 89-0286	S 5%	29.0	2-5	320
B160	04/10/89	1410	1434	8.71	0.72	0.10	-----	--- 89-0321	PC 10%	30.0	5-7	120
B160	04/10/89	1410	1434	8.72	0.72	0.10	-----	--- 89-0322	PC 10%	30.0	5-7	120
B160	05/01/89	1318	1333	6.90	1.05	----	-----	--- 89-0357	PC 40%	30.0	5-7	180
B160	05/01/89	1318	1333	6.89	1.05	----	-----	--- 89-0358	PC 40%	30.0	5-7	180
B160	05/30/89	1224	1241	7.28	0.52	0.10	-----	--- 89-0482	PC 80%	34.0	5-8	20
B160	05/30/89	1224	1241	7.24	0.52	0.10	-----	--- 89-0483	PC 80%	34.0	5-8	20
B160	06/06/89	1943	2014	6.72	0.50	0.10	-----	--- 89-0516	OC	23.0	CALM	----
B160	06/06/89	1943	2014	6.76	0.50	0.10	-----	--- 89-0517	OC	23.0	CALM	----
B160	06/09/89	1114	1148	7.30	0.48	0.10	-----	--- 89-0548	PC 50%	33.0	8-10	140
B160	06/09/89	1114	1148	7.35	0.48	0.10	-----	--- 89-0549	PC 50%	33.0	8-10	140
B160	06/26/89	1322	1335	7.06	0.54	0.10	-----	--- 89-0558	MC 80%	29.0	CALM	----
B160	06/26/89	1322	1355	6.91	0.54	0.10	-----	--- 89-0559	MC 80%	29.0	CALM	----
B160	07/10/89	1358	1428	6.25	7.93	1.90	-----	--- 89-0594	PC 40%	33.0	0-2	100
B160	07/10/89	1358	1428	6.24	7.93	1.90	-----	--- 89-0595	PC 40%	33.0	0-2	100
B160	07/24/89	1401	1419	6.61	5.34	1.40	-----	--- 89-0633	RAIN	26.0	CALM	----
B160	07/24/89	1401	1419	6.59	5.34	1.40	-----	--- 89-0634	RAIN	26.0	CALM	----
B160	07/25/89	1317	1337	6.28	6.45	1.55	-----	--- 89-0646	PC 50%	31.0	2-4	80

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B160	07/25/89	1317	1337	6.26	6.45	1.55	-----	---	89-0647 PC 50%	31.0	2-4	80
B160	07/26/89	1239	1300	6.45	6.65	1.60	-----	---	89-0660 HZ 50%	31.5	----	---
B160	07/26/89	1239	1300	6.41	6.65	1.60	-----	---	89-0661 HZ 50%	31.5	----	---
B160	07/27/89	1135	1204	6.57	6.90	1.60	-----	---	89-0670 PC 50%	30.0	4-6	30
B160	07/27/89	1135	1204	6.59	6.90	1.60	-----	---	89-0671 PC 50%	30.0	4-6	80
B160	07/30/89	1325	1358	6.60	7.24	1.30	-----	---	89-1636 PC 30%	32.0	3-5	20
B160	07/30/89	1325	1358	6.62	7.24	1.30	-----	---	89-1687 PC 80%	32.0	3-5	20
B160	07/31/89	1125	1150	5.98	7.78	2.00	-----	---	89-1690 PC 50%	31.0	2-4	140
B160	07/31/89	1125	1150	5.99	7.78	2.00	-----	---	89-1691 PC 50%	31.0	2-4	140
B160	08/07/89	1316	1336	6.06	6.60	1.60	-----	---	89-1702 PC 50%	34.0	CALM	---
B160	08/07/89	1316	1336	6.04	6.60	1.60	-----	---	89-1703 PC 50%	34.0	CALM	---
B160	08/21/89	1307	1330	6.51	6.01	1.40	-----	---	89-1742 PC 75%	33.0	CALM	---
B160	08/21/89	1307	1330	6.49	6.01	1.40	-----	---	89-1743 PC 75%	33.0	CALM	---
B160	09/11/89	1457	1520	6.38	7.66	1.90	-----	---	89-1878 PC 40%	28.0	CALM	---
B160	09/11/89	1457	1520	6.36	7.66	1.90	-----	---	89-1879 PC 40%	28.0	CALM	---
B160	09/25/89	1414	1437	6.93	5.34	1.20	-----	---	89-1860 RAIN	27.5	CALM	---
B160	09/25/89	1414	1437	6.90	5.34	1.20	-----	---	89-1861 RAIN	27.5	CALM	---
B160	09/27/89	1317	1337	6.65	6.44	1.60	-----	---	89-1998 PC 50%	32.0	3-5	80
B160	09/27/89	1317	1337	6.61	6.44	1.60	-----	---	89-1999 PC 50%	32.0	3-5	80
B160	10/30/89	1323	1342	7.30	3.17	0.60	-----	---	89-2044 OC	26.0	calm	---
B160	10/30/89	1323	1342	7.24	3.17	0.60	-----	---	89-2045 OC	26.0	calm	---
B160	11/13/89	1254	1307	7.25	1.27	0.40	-----	---	89-2080 PC 70%	27.0	6-8	160
B160	11/13/89	1254	1307	7.24	1.27	0.40	-----	---	89-2081 PC 70%	27.0	6-8	160
B160	12/04/89	1358	1413	7.86	01.18	0.20	-----	---	89-2386 CL	18.0	CALM	---
B160	12/04/89	1358	1413	7.84	01.18	0.20	-----	---	89-2387 CL	18.0	CALM	---
B170	01/18/89	1640	1700	8.41	24.98	0.10	-----	---	89-0072 CL	24.0	CALM	---
B170	01/18/89	1640	1700	8.41	24.98	0.10	-----	---	89-0073 CL	24.0	CALM	---
B170	02/06/89	1510	1521	8.30	24.98	0.40	-----	---	89-0088 PC	----	10	SE
B170	02/06/89	1510	1521	8.30	24.98	0.40	-----	---	89-0089 PC	----	10	SE
B170	02/27/89	1630	----	8.12	25.00	0.40	-----	---	89-0124 CL	----	5-7	220
B170	02/27/89	1630	----	8.25	25.00	0.40	-----	---	89-0125 CL	----	5-7	220
B170	03/02/89	1555	1607	8.07	25.00	0.35	-----	---	89-0255 OC	28.0	CALM	---
B170	03/02/89	1555	1607	8.09	25.00	0.35	-----	---	89-0256 OC	28.0	CALM	---
B170	03/03/89	1600	1635	7.36	25.88	0.60	-----	---	89-0271 PC 15%	27.0	2-5	180
B170	03/03/89	1600	1635	7.39	25.88	0.60	-----	---	89-0272 PC 15%	27.0	2-5	180
B170	03/13/89	1522	1536	7.14	-----	0.10	-----	---	89-0289 PC 10%	32.0	3-7	280
B170	03/13/89	1522	1536	7.07	-----	0.10	-----	---	89-0290 PC 10%	32.0	3-7	280
B170	04/10/89	1612	1628	7.78	-----	0.10	-----	---	89-0325 PC 5%	33.0	5-8	140
B170	04/10/89	1612	1628	7.74	-----	0.10	-----	---	89-0326 PC 5%	33.0	5-8	140
B170	05/01/89	1503	1515	7.92	-----	0.05	-----	---	89-0361 PC 50%	29.0	5-9	180
B170	05/01/89	1503	1515	7.93	-----	0.05	-----	---	89-0362 PC 50%	29.0	5-9	180
B170	06/06/89	2147	2205	6.77	-----	0.10	-----	---	89-0520 PC	21.0	CALM	---
B170	06/06/89	2147	2205	6.81	-----	0.10	-----	---	89-0521 PC	21.0	CALM	---
B170	06/07/89	0743	0759	6.96	-----	0.10	-----	---	89-0530 PC 30%	24.0	3-5	120
B170	06/07/89	0743	0759	6.89	-----	0.10	-----	---	89-0531 PC 30%	24.0	3-5	120
B170	06/26/89	1501	1512	7.15	-----	0.25	-----	---	89-0562 PC 80%	30.0	5	260
B170	06/26/89	1501	1512	7.18	-----	0.25	-----	---	89-0563 PC 80%	30.0	5	260

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std. units	Staff Gage (ft.)	Depth, Total (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B170	07/10/89	1550	1604	6.95	-----	0.25	-----	89-0598	PC 50%	34.0	----	---
B170	07/10/89	1550	1604	6.92	-----	0.25	-----	89-0599	PC 50%	34.0	----	---
B170	07/24/89	1614	1626	6.47	-----	0.35	-----	89-0637	RAIN	22.0	7-9	140
B170	07/24/89	1614	1626	6.49	-----	0.35	-----	89-0638	RAIN	22.0	7-9	140
B170	07/25/89	1511	1522	6.45	-----	0.30	-----	89-0650	RAIN	29.0	2-8	80
B170	07/25/89	1511	1522	6.44	-----	0.30	-----	89-0651	RAIN	29.0	2-8	80
B170	07/26/89	1549	1603	6.58	-----	0.40	-----	89-0666	OC	26.0	----	---
B170	07/26/89	1549	1603	6.54	-----	0.40	-----	89-0667	OC	26.0	----	---
B170	07/27/89	1355	1416	6.34	-----	.70	-----	89-1656	PC 85%	31.0	6	140
B170	07/27/89	1355	1416	6.31	-----	.70	-----	89-1657	PC 85%	31.0	6	140
B170	07/28/89	1448	1512	6.54	-----	0.60	-----	89-1668	HZ 60%	35.0	2-4	170
B170	07/28/89	1448	1512	6.58	-----	0.60	-----	89-1669	HZ 60%	35.0	2-4	170
B170	07/29/89	1232	1246	6.36	-----	.50	-----	89-1680	PC 60%	----	0-6	140
B170	07/29/89	1232	1246	6.38	-----	.50	-----	89-1681	PC 60%	----	0-6	140
B170	08/07/89	1504	1518	6.39	-----	0.20	-----	89-1706	PC 40%	35.0	3-5	280
B170	08/07/89	1504	1518	6.37	-----	0.20	-----	89-1707	PC 40%	35.0	3-5	280
B170	08/21/89	2109	2122	6.51	-----	0.50	-----	89-1746	-----	26.5	CALM	---
B170	08/21/89	2109	2122	6.45	-----	0.50	-----	89-1747	-----	26.5	CALM	---
B170	09/11/89	1719	1733	6.54	-----	0.30	-----	89-1882	PC 60%	30.0	CALM	---
B170	09/11/89	1719	1733	6.51	-----	0.30	-----	89-1883	PC 60%	30.0	CALM	---
B170	09/25/89	1637	1651	7.17	-----	0.40	-----	89-1906	RAIN	24.0	CALM	---
B170	09/25/89	1637	1651	7.08	-----	0.40	-----	89-1907	RAIN	24.0	CALM	---
B170	09/26/89	1351	1407	6.55	-----	0.85	-----	89-1920	RAIN	27.0	5	160
B170	09/26/89	1351	1407	6.54	-----	0.85	-----	89-1921	RAIN	27.0	5	160
B170	09/27/89	1517	1532	6.40	-----	0.95	-----	89-2002	PC 60%	34.0	4	80
B170	09/27/89	1517	1532	6.38	-----	0.95	-----	89-2003	PC 60%	34.0	4	80
B170	09/28/89	1346	1401	6.13	-----	0.80	-----	89-2014	PC 50%	30.5	4-7	80
B170	09/28/89	1346	1401	6.10	-----	0.80	-----	89-2015	PC 50%	30.5	4-7	80
B170	09/29/89	1438	1453	6.34	-----	0.70	-----	89-2028	PC 75%	32.0	3-5	100
B170	09/29/89	1438	1453	6.28	-----	0.70	-----	89-2029	PC 75%	32.0	2-5	100
B170	10/30/89	1525	1536	7.05	-----	0.10	-----	89-2048	OC	25.0	CALM	---
B170	10/30/89	1525	1536	7.03	-----	0.10	-----	89-2049	OC	25.0	CALM	---
B170	11/13/89	1506	1517	7.07	-----	0.10	-----	89-2083	PC 80%	26.0	7-9	120
B170	11/13/89	1506	1517	7.06	-----	0.10	-----	89-2084	PC 80%	26.0	7-9	120
B170	12/04/89	1545	1556	7.58	-----	0.10	-----	89-2390	PC 40%	17.0	CALM	---
B170	12/04/89	1545	1556	7.51	-----	0.10	-----	89-2391	PC 40%	17.0	CALM	---
B180	01/18/89	1710	----	6.96	4.70	0.10	-----	89-0074	CL	----	CALM	---
B180	01/18/89	1710	----	6.96	4.70	0.10	-----	89-0075	CL	----	CALM	---
B180	02/06/89	1535	1600	7.07	4.60	0.10	-----	89-0090	PC	29.0	5-10	SE
B180	02/06/89	1535	1600	7.12	4.60	0.10	-----	89-0091	PC	29.0	5-10	SE
B180	02/27/89	1706	1723	8.09	-----	0.05	-----	89-0126	CL	21.0	5-8	200
B180	02/27/89	1706	1723	8.05	-----	0.05	-----	89-0127	CL	21.0	5-8	200
B180	03/02/89	1619	1635	8.21	-----	0.10	-----	89-0257	OC	29.0	CALM	---
B180	03/02/89	1619	1635	8.21	-----	0.10	-----	89-0258	OC	29.0	CALM	---
B180	03/03/89	1645	1702	7.70	-----	0.20	-----	89-0273	PC 20%	28.0	8-10	180
B180	03/03/89	1645	1702	7.66	-----	0.20	-----	89-0274	PC 20%	28.0	8-10	180
B180	03/13/89	1458	1512	8.79	25.02	0.40	-----	89-0287	CL	31.0	3-10	280

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
B180	03/13/89	1458	1512	8.75	25.02	0.40	-----	---	89-0238 CL	31.0	3-10	280
B180	04/10/89	1550	1602	8.63	24.94	0.40	-----	---	89-0323 PC 5%	32.0	2-4	160
B180	04/10/89	1550	1602	8.64	24.94	0.40	-----	---	89-0324 PC 5%	32.0	2-4	160
B180	05/01/89	1440	1452	7.95	24.94	0.40	-----	---	89-0359 -----	30.0	5	180
B180	05/01/89	1440	1452	8.02	24.94	0.40	-----	---	89-0360 -----	30.0	5	180
B180	05/30/89	1425	1441	9.03	24.80	0.25	-----	---	89-0484 PC 60%	33.0	5-7	40
B180	05/30/89	1425	1441	9.08	24.80	0.25	-----	---	89-0485 PC 60%	33.0	5-7	40
B180	06/06/89	2119	2136	7.07	24.88	0.25	-----	---	89-0518 PC	-----	CALM	---
B180	06/06/89	2119	2136	7.12	24.88	0.25	-----	---	89-0519 PC	-----	CALM	---
B180	06/07/89	0723	0736	6.95	24.85	0.40	-----	---	89-0528 PC 40%	26.0	CALM	---
B180	06/07/89	0723	0736	6.98	24.85	0.40	-----	---	89-0529 PC 40%	26.0	CALM	---
B180	06/08/89	1044	1104	7.64	24.78	0.40	-----	---	89-0542 PC 80%	31.0	5-9	140
B180	06/08/89	1044	1104	7.63	24.78	0.40	-----	---	89-0543 PC 80%	31.0	5-9	140
B180	06/26/89	1438	1449	6.97	25.84	0.70	-----	---	89-0560 PC 80%	28.0	CALM	---
B180	06/26/89	1438	1449	6.98	25.84	0.70	-----	---	89-0561 PC 80%	28.0	CALM	---
B180	07/10/89	1528	1542	7.03	25.91	0.55	-----	---	89-0596 PC 20%	34.0	----	---
B180	07/10/89	1528	1542	7.03	25.91	0.55	-----	---	89-0597 PC 20%	34.0	----	---
B180	07/24/89	1537	1554	6.65	27.65	1.30	-----	---	89-0635 OC THUNDER	29.0	CALM	---
B180	07/24/89	1537	1554	6.65	27.65	1.30	-----	---	89-0636 OC THUNDER	29.0	CALM	---
B180	07/25/89	1446	1500	6.25	28.05	1.15	-----	---	89-0648 OC THUNDER	32.0	2-3	80
B180	07/25/89	1446	1500	6.20	28.05	1.15	-----	---	89-0649 OC THUNDER	32.0	2-3	80
B180	07/26/89	1526	1540	6.85	28.27	0.70	-----	---	89-0664 RAIN	25.0	----	---
B180	07/26/89	1526	1540	6.82	28.27	0.70	-----	---	89-0665 RAIN	25.0	----	---
B180	07/27/89	1322	1344	6.33	28.45	1.40	-----	---	89-0672 PC 60%	30.0	CALM	120
B180	07/27/89	1322	1344	6.30	28.45	1.40	-----	---	89-0673 PC 60%	30.0	CALM	120
B180	07/28/89	1418	1433	6.37	27.99	----	-----	---	89-1666 -----	35.0	CALM	---
B180	07/28/89	1418	1433	6.42	27.99	----	-----	---	89-1667 -----	35.0	CALM	---
B180	07/29/89	1200	1222	6.63	29.25	1.60	-----	---	89-1678 PC 60%	30.0	0-2	120
B180	07/29/89	1200	1222	6.63	29.25	1.60	-----	---	89-1679 PC 60%	30.0	0-2	120
B180	08/07/89	1446	1456	6.75	26.70	0.90	-----	---	89-1704 PC 40%	35.5	3-4	300
B180	08/07/89	1446	1456	6.78	26.70	0.90	-----	---	89-1705 PC 40%	35.5	3-4	300
B180	08/21/89	2042	2057	6.84	26.61	0.90	-----	---	89-1744 OC	26.5	CALM	---
B180	08/21/89	2042	2057	6.83	26.61	0.90	-----	---	89-1745 OC	26.5	CALM	---
B180	09/11/89	1658	1710	6.94	27.56	0.55	-----	---	89-1880 PC 50%	30.0	0-2	----
B180	09/11/89	1658	1710	6.88	27.56	0.55	-----	---	89-1881 PC 50%	30.0	0-2	----
B180	09/25/89	1610	1625	7.23	27.20	0.70	-----	---	89-1862 RAIN	26.0	----	---
B180	09/25/89	1610	1625	7.20	27.20	0.70	-----	---	89-1863 RAIN	26.0	----	---
B180	09/26/89	1327	1342	7.00	27.41	0.60	-----	---	89-1918 RAIN	27.0	CALM	---
B180	09/26/89	1327	1342	6.97	27.41	0.60	-----	---	89-1919 RAIN	27.0	CALM	---
B180	09/27/89	1454	1507	6.81	27.91	1.25	-----	---	89-2000 PC 60%	33.0	2-3	80
B180	09/27/89	1454	1507	6.78	27.91	1.25	-----	---	89-2001 PC 60%	33.0	2-3	80
B180	09/28/89	1259	1333	6.66	27.57	0.50	-----	---	89-2012 PC 50%	30.0	4-7	100
B180	09/28/89	1259	1333	6.66	27.57	0.50	-----	---	89-2013 PC 50%	30.0	4-7	100
B180	09/29/89	1413	1428	6.69	27.39	0.50	-----	---	89-2026 PC 75%	32.0	2-4	100
B180	09/29/89	1413	1428	6.68	27.39	0.50	-----	---	89-2027 PC 75%	32.0	2-4	100
B180	10/30/89	1504	1518	7.11	25.13	0.30	-----	---	89-2046 OC	26.0	CALM	---
B180	10/30/89	1504	1513	7.09	25.13	0.30	-----	---	89-2047 OC	26.0	CALM	---

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Depth, Std. Gage units (ft.)	Depth, Total (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Wind Direction
---------	------	------------	----------	----	------------------------------------	------------------	------	-------------------------	----------------------------	------------	------------------	----------------

B180	11/13/89	1445	1457	7.65	24.99	0.40	-----	---	89-2082	PC 70%	29.0	4-6	120
B180	12/04/89	1527	1535	7.56	24.87	0.10	-----	---	89-2388	PC 40%	18.0	CALM	---
B180	12/04/89	1527	1535	7.60	24.87	0.10	-----	---	89-2389	PC 40%	18.0	CALM	---

Page No. 1
03/01/90

Myakka River Basin Project
Basin Station In Situ Measurements
Through December, 1989

Station	Date	Dissolved Oxygen, (mg/l)	Temperature, C	Conductivity, (umhos/cm)	Salinity, o/oo
B110	01/18/89	7.93	19.0	440	0.0
B110	02/06/89	6.75	21.3	350	0.0
B110	02/27/89	9.90	13.1	445	0.0
B110	03/02/89	7.55	20.2	650	1.0
B110	03/03/89	6.50	19.5	375	0.8
B110	03/13/89	9.30	18.5	269	0.0
B110	04/10/89	7.50	22.0	610	1.0
B110	05/01/89	9.55	23.2	417	0.2
B110	05/30/89	3.48	27.0	351	0.2
B110	06/06/89	4.32	27.0	348	0.0
B110	06/07/89	8.20	29.9	490	1.0
B110	06/07/89	1.74	24.5	361	0.0
B110	06/26/89	5.11	25.1	348	0.8
B110	07/10/89	2.94	28.0	182	0.0
B110	07/24/89	4.34	27.0	163	0.0
B110	07/25/89	4.23	26.0	176	0.0
B110	07/25/89	4.85	28.1	199	0.1
B110	07/26/89	3.83	27.0	187	0.0
B110	08/07/89	4.26	28.0	198	0.1
B110	08/21/89	4.39	27.0	196	0.0
B110	09/11/89	4.26	27.5	168	0.0
B110	09/25/89	4.80	25.0	173	0.1
B110	09/26/89	4.81	26.2	161	0.0
B110	09/27/89	3.95	26.5	170	0.0
B110	09/28/89	4.30	27.0	170	0.1
B110	09/29/89	4.20	27.5	175	0.0
B110	10/30/89	5.71	22.0	260	0.1
B110	11/13/89	7.41	21.0	279	0.0
B110	12/04/89	10.6	14.0	265	0.0
B120	01/18/89	9.00	17.9	475	0.0
B120	02/06/89	8.39	20.2	710	0.9
B120	03/02/89	10.0	21.0	540	0.0
B120	03/03/89	7.90	21.2	600	0.5
B120	03/13/89	10.4	19.0	1080	0.7
B120	04/10/89	6.35	23.0	700	1.2
B120	05/01/89	5.10	24.5	600	0.2
B120	05/30/89	7.90	23.0	485	0.1
B120	06/06/89	7.82	24.0	270	0.0
B120	06/06/89	8.78	23.0	238	0.0
B120	07/10/89	8.15	28.9	500	0.1
B120	07/24/89	7.12	30.0	390	0.0
B120	07/25/89	5.18	27.0	371	0.0
B120	08/07/89	3.83	29.5	650	0.1
B120	08/21/89	1.64	23.0	488	0.0
B120	09/11/89	0.24	27.9	230	0.1
B120	09/25/89	3.08	25.0	294	0.1
B120	09/26/89	2.04	26.0	212	0.0

Myakka River Basin Project
Basin Station In Situ Measurements
Through December, 1989

Station	Date	Dissolved Oxygen, (mg/l)	Temperature, C	Conductivity, (umhos/cm)	Salinity, o/oo
B120	09/27/89	1.62	26.5	235	0.0
B120	09/28/89	1.20	27.0	255	0.2
B120	09/29/89	0.98	28.0	285	0.1
B120	10/30/89	6.06	22.0	484	0.4
B120	11/13/89	9.25	21.0	430	0.0
B120	12/04/89	12.8	12.0	385	0.1
B130	01/18/89	4.00	21.0	252	0.0
B130	02/06/89	2.90	17.2	300	0.0
B130	02/27/89	7.15	21.9	395	0.0
B130	03/02/89	4.80	21.0	455	0.5
B130	03/03/89	6.20	22.5	430	0.0
B130	03/13/89	4.85	19.0	280	0.0
B130	04/10/89	3.62	24.0	449	0.0
B130	05/01/89	3.60	25.0	430	0.1
B130	05/30/89	2.45	28.0	435	0.0
B130	06/06/89	4.34	28.0	441	0.0
B130	06/07/89	7.40	28.9	570	0.9
B130	06/07/89	2.05	28.0	481	0.0
B130	06/09/89	3.25	29.0	484	0.0
B130	06/26/89	6.65	27.0	392	0.9
B130	07/10/89	0.71	29.0	197	0.0
B130	07/24/89	2.49	27.8	175	0.0
B130	07/25/89	2.75	27.0	159	0.0
B130	07/26/89	1.12	26.0	211	0.0
B130	08/07/89	1.60	29.9	200	0.0
B130	08/21/89	1.63	28.0	214	0.1
B130	09/11/89	2.62	29.0	179	0.0
B130	09/25/89	2.40	26.0	182	0.1
B130	09/26/89	1.68	26.8	130	0.0
B130	09/27/89	1.38	27.0	136	0.0
B130	09/28/89	1.63	27.0	165	0.1
B130	09/29/89	1.60	28.0	190	0.0
B130	10/03/89	1.75	27.5	171	0.0
B130	10/30/89	2.42	22.2	280	0.0
B130	11/13/89	4.48	21.0	271	0.1
B130	12/04/89	7.70	15.0	260	0.0
B140	01/18/89	4.70	18.0	210	0.0
B140	02/06/89	5.20	23.3	250	0.7
B140	02/27/89	9.40	17.0	265	0.0
B140	03/02/89	7.30	21.0	292	0.2
B140	03/03/89	7.62	26.0	298	0.1
B140	03/13/89	7.20	20.5	332	0.0
B140	04/10/89	7.50	25.0	370	0.0
B140	05/01/89	5.00	26.5	390	0.1
B140	05/30/89	4.50	29.1	5010	0.4
B140	06/06/89	5.22	29.0	510	0.0
B140	06/07/89	7.40	29.9	690	0.9

Myakka River Basin Project
Basin Station In Situ Measurements
Through December, 1989

Station	Date	Dissolved Oxygen, (mg/l)	Temperature, C	Conductivity, (umhos/cm)	Salinity, o/oo
B140	06/09/89	5.80	29.8	610	0.5
B140	06/26/89	4.30	28.0	580	0.9
B140	07/10/89	0.05	31.0	271	0.0
B140	07/24/89	2.07	29.5	238	0.0
B140	07/25/89	1.88	28.0	231	0.0
B140	07/26/89	1.19	27.0	199	0.0
B140	08/07/89	0.38	31.0	190	0.0
B140	08/21/89	2.00	29.5	196	0.1
B140	09/11/89	1.39	29.9	185	0.0
B140	09/25/89	2.65	27.0	181	0.1
B140	09/27/89	2.60	28.0	179	0.0
B140	10/03/89	0.78	28.5	178	0.0
B140	10/30/89	4.60	22.8	189	0.1
B140	11/13/89	6.30	21.0	201	0.1
B140	12/04/89	09.8	17.0	220	0.1
B150	01/18/89	8.05	19.2	920	0.0
B150	02/06/89	8.10	23.0	690	0.8
B150	02/27/89	10.4	18.0	780	0.5
B150	03/02/89	10.0	21.5	1150	1.0
B150	03/03/89	6.30	23.0	719	1.0
B150	03/13/89	8.35	21.2	550	0.0
B150	04/10/89	8.40	24.0	1020	0.0
B150	05/01/89	7.10	26.0	1080	0.9
B150	05/30/89	6.31	26.1	1190	1.0
B150	06/06/89	7.27	28.0	850	0.6
B150	06/07/89	5.41	24.6	850	0.9
B150	06/08/89	6.10	27.0	390	0.6
B150	06/26/89	6.60	28.0	880	0.8
B150	07/10/89	6.83	30.5	820	0.5
B150	07/24/89	6.30	29.0	550	0.1
B150	07/25/89	5.80	27.5	580	0.1
B150	07/26/89	5.83	28.8	500	0.1
B150	08/07/89	5.39	29.5	421	0.1
B150	08/21/89	5.77	29.0	525	0.2
B150	09/11/89	7.01	29.0	470	0.1
B150	09/25/89	5.81	27.0	479	0.2
B150	09/26/89	5.90	27.5	468	0.1
B150	09/27/89	4.75	27.5	428	0.0
B150	09/28/89	4.30	28.0	350	0.1
B150	09/29/89	5.00	28.0	345	0.0
B150	10/30/89	8.20	22.5	620	0.3
B150	11/13/89	8.23	22.0	620	0.5
B150	12/04/89	11.8	13.5	690	0.7
B160	01/18/89	4.70	17.5	220	0.0
B160	02/06/89	6.40	24.1	228	0.6
B160	02/27/89	9.90	17.8	220	0.0
B160	03/02/89	8.28	22.1	228	0.6

Myakka River Basin Project
Basin Station In Situ Measurements
Through December, 1989

Station	Date	Dissolved Oxygen, (mg/l)	Temperature, C	Conductivity, (umhos/cm)	Salinity, o/oo
B160	03/03/89	7.85	25.0	600	0.5
B160	03/13/89	9.10	21.0	265	0.0
B160	04/10/89	9.45	27.0	397	0.0
B160	05/01/89	8.14	24.5	439	0.3
B160	05/30/89	5.30	30.0	560	0.8
B160	06/06/89	4.20	29.0	590	0.1
B160	06/09/89	7.00	30.5	520	0.2
B160	06/26/89	6.59	29.0	502	0.8
B160	07/10/89	1.76	31.8	334	0.1
B160	07/24/89	3.45	29.8	260	0.0
B160	07/25/89	3.18	28.5	240	0.0
B160	07/26/89	2.57	29.0	237	0.0
B160	08/07/89	1.79	31.0	191	0.1
B160	08/21/89	3.16	29.5	209	0.1
B160	09/11/89	2.44	30.0	157	0.0
B160	09/25/89	4.18	27.0	170	0.0
B160	09/27/89	2.98	28.0	138	0.0
B160	10/30/89	8.05	23.0	176	0.2
B160	11/13/89	7.43	23.0	190	0.0
B160	12/04/89	10.8	16.5	199	0.1
B170	01/18/89	11.8	21.0	770	0.0
B170	02/06/89	12.1	23.7	720	0.0
B170	02/27/89	11.7	18.0	890	0.4
B170	03/02/89	11.8	22.0	1100	1.1
B170	03/03/89	7.70	24.0	620	0.0
B170	03/13/89	8.35	22.5	265	0.0
B170	04/10/89	11.0	31.0	660	0.0
B170	05/01/89	9.60	31.0	600	1.0
B170	06/06/89	2.32	26.0	580	0.4
B170	06/07/89	3.60	25.0	550	0.1
B170	06/26/89	6.92	27.0	---	0.9
B170	07/10/89	7.20	32.0	195	0.1
B170	07/24/89	6.30	29.0	221	0.1
B170	07/25/89	6.85	30.0	201	0.1
B170	07/26/89	5.65	29.2	142	0.1
B170	08/07/89	5.98	32.0	159	0.1
B170	08/21/89	4.75	30.0	128	0.1
B170	09/11/89	6.20	31.0	133	0.0
B170	09/25/89	-----	27.0	179	0.1
B170	09/26/89	5.22	28.0	102	0.0
B170	09/27/89	4.50	30.0	100	0.0
B170	09/28/89	4.45	30.0	100	0.0
B170	09/29/89	5.10	30.0	101	0.0
B170	10/30/89	7.99	23.0	141	0.1
B170	11/13/89	7.58	23.0	176	0.1
B170	12/04/89	10.0	16.0	201	0.1
B180	01/18/89	8.00	21.0	400	0.0

Page No. 5
03/01/90

Myakka River Basin Project
Basin Station In Situ Measurements
Through December, 1989

Station	Date	Dissolved Oxygen, (mg/l)	Temperature, C	Conductivity, (umhos/cm)	Salinity, o/oo
B180	02/06/89	7.69	24.5	283	0.0
B180	02/27/89	10.2	19.0	421	0.0
B180	03/02/89	10.8	23.0	620	1.2
B180	03/03/89	7.55	25.5	900	0.6
B180	03/13/89	15.4	22.5	610	0.5
B180	04/10/89	13.6	27.5	1080	0.0
B180	05/01/89	8.75	22.2	1010	1.2
B180	05/30/89	14.4	31.0	1190	0.5
B180	06/06/89	6.43	27.8	990	0.5
B180	06/07/89	3.61	26.0	1050	0.8
B180	06/08/89	6.92	29.0	1140	0.8
B180	06/26/89	7.60	29.0	600	0.9
B180	07/10/89	7.40	32.0	720	0.3
B180	07/24/89	5.30	29.0	398	0.1
B180	07/25/89	5.08	28.2	343	0.2
B180	07/26/89	5.48	28.0	322	0.1
B180	08/07/89	4.25	31.5	310	0.1
B180	08/21/89	4.93	30.0	305	0.1
B180	09/11/89	6.20	31.0	329	0.1
B180	09/25/89	----	27.0	390	0.2
B180	09/26/89	5.75	27.5	231	0.1
B180	09/27/89	4.78	28.0	222	0.0
B180	09/28/89	4.60	29.1	229	0.1
B180	09/29/89	5.10	29.0	232	0.0
B180	10/30/89	8.98	23.0	460	0.3
B180	11/13/89	10.9	22.5	620	0.2
B180	12/04/89	13.6	16.0	640	0.5

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B110	89-0062	01/18/89	0.3	0.063	0.028	0.001	1.5	0.246	14.4	0.1144	0.0096
B110	89-0063	01/18/89	0.3	0.011	0.028	0.002	1.2	0.245	15.4	0.1052	0.0060
B110	89-0078	02/06/89	0.7	0.057	0.030	0.003	1.0	0.169	15.7	0.1224	0.0068
B110	89-0079	02/06/89	0.8	0.068	0.031	0.002	1.0	0.167	15.5	0.1068	0.0064
B110	89-0114	02/27/89	<0.2	0.008	0.015	0.001	0.6	0.094	15.3	0.0780	0.0020
B110	89-0115	02/27/89	<0.2	0.050	0.015	0.001	0.8	0.091	15.6	0.0532	0.0012
B110	89-0277	03/13/89	1.0	0.014	0.011	0.005	1.4	0.125	14.1	0.0696	0.0032
B110	89-0278	03/13/89	1.6	0.010	0.011	0.002	1.2	0.124	16.0	0.0832	0.0032
B110	89-0313	04/10/89	0.6	0.021	0.016	<0.001	0.9	0.120	15.0	0.1808	0.0172
B110	89-0314	04/10/89	0.6	0.020	0.023	<0.001	1.0	0.127	14.6	0.1132	0.0100
B110	89-0349	05/01/89	3.0	0.010	0.010	0.005	1.8	0.117	16.0		
B110	89-0350	05/01/89	2.5	0.030	0.010	0.005	1.7	0.123	16.3		
B110	89-0474	05/30/89	0.5	0.062	0.006	0.025	1.3	0.251	13.8	0.1236	0.0204
B110	89-0475	05/30/89	1.1	0.063	<0.005	0.026	1.3	0.257	14.1	0.0924	0.0208
B110	89-0508	06/06/89	1.7	0.101	0.042	0.010	1.8	0.202	15.5	0.3460	0.0364
B110	89-0509	06/06/89	2.6	0.100	0.043	0.007	2.1	0.206	15.3	0.2672	0.0284
B110	89-0524	06/07/89	0.7	0.034	<0.005	0.011	1.0	0.213	15.9	0.2160	0.0192
B110	89-0525	06/07/89	1.8	0.030	<0.005	0.007	1.1	0.208	14.5	0.1856	0.0200
B110	89-0534	06/07/89	1.0	0.026	0.008	0.012	1.5	0.196	16.2	0.7976	0.0684
B110	89-0535	06/07/89	4.1	0.026	0.007	0.006	1.7	0.195	15.0	0.3028	0.0256
B110	89-0550	06/26/89	3.9	0.048	<0.005	0.009	3.9	0.151	19.0	0.3980	0.0680
B110	89-0551	06/26/89	4.0	0.071	<0.005	0.008	3.8	0.153	21.9	0.3260	0.0532
B110	89-0586	07/10/89	0.9	0.100	0.007	0.004	0.9	0.434	30.2		
B110	89-0587	07/10/89	0.8	0.096	0.008	0.003	1.0	0.428	32.8	0.1776	0.0140
B110	89-0625	07/24/89	2.2	0.234	0.072	0.008	2.9	0.792	27.4		
B110	89-0626	07/24/89	1.0	0.239	0.076	0.006	3.2	0.778	26.6		
B110	89-0622	07/25/89	1.0	0.118	0.030	0.007	1.5	0.526	23.7		
B110	89-0639	07/25/89	2.7	0.107	0.029	0.005	1.7	0.526	22.7		
B110	89-0652	07/25/89	1.5	0.074	0.025	0.004	1.7	0.514	24.1		
B110	89-0653	07/25/89	0.9	0.125	0.024	0.004	1.5	0.498	23.5		
B110	89-0654	07/25/89	0.6	0.036	0.017	0.004	1.1	0.450	29.2		
B110	89-0655	07/26/89	0.6	0.036	0.016	0.003	1.1	0.444	27.3		
B110	89-0668	07/27/89	0.6	0.058	0.021	0.002	1.2	0.417	29.1		
B110	89-0669	07/27/89	0.9	0.025	0.019	0.004	1.2	0.415	28.1		
B110	89-1658	07/28/89	1.0	0.028	0.014	0.004	1.2	0.360	26.2		
B110	89-1659	07/28/89	1.1	0.024	0.018	0.004	1.2	0.356	22.7		
B110	89-1670	07/29/89	0.4	0.018	0.021	0.003	1.3	0.338	23.3		
B110	89-1671	07/29/89	0.8	0.025	0.021	0.003	1.1	0.342	23.9		
B110	89-1694	08/07/89	0.8	0.015	0.019	0.004	1.6	0.261	27.5		
B110	89-1695	08/07/89	0.8	0.020	0.020	0.003	1.7	0.258	24.6		
B120	89-0060	01/18/89	1.2	0.020	<0.005	0.009	2.7	0.291	15.8	0.1600	0.0148
B120	89-0061	01/18/89	0.5	0.017	<0.005	0.008	2.6	0.295	15.8	0.1600	0.0148
B120	89-0076	02/06/89	1.5	0.026	0.009	0.012	3.1	0.213	16.3	0.2392	0.0232
B120	89-0077	02/06/89	1.6	0.029	0.007	0.016	3.3	0.221	16.4	0.2776	0.0260
B120	89-0112	02/27/89	1.1	0.048	0.007	0.030	2.2	0.260	17.2	0.6940	0.0584
B120	89-0113	02/27/89	3.9	0.016	0.007	0.014	2.6	0.262	17.2	0.7512	0.0644
B120	89-0275	03/13/89	1.0	<0.005	<0.005	0.013	2.1	0.168	14.1	0.1244	0.0120

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids	Diss.	Diss.	Part.	Turb.	Diss.	Diss.	Part.	Part.
			Total	NH4-N	NO2 +	-P	NTU	PO4-P	Org.-C	-C	-N
			Susp.	(mg/l)	NO3-N	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
			(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)
B120	89-0276	03/13/89	0.8	<0.005	<0.005	0.011	1.9	0.165	14.4	0.1276	0.0128
B120	89-0311	04/10/89	12.8	0.023	0.010	0.081	9.3	0.346	14.0	1.9594	0.2400
B120	89-0312	04/10/89	11.4	0.027	0.007	0.084	9.2	0.360	15.1	2.0269	0.2589
B120	89-0347	05/01/89	19.1	0.026	<0.005	0.131	17.7	0.632	19.1	2.9854	0.5423
B120	89-0348	05/01/89	20.7	0.018	<0.005	0.148	17.2	0.574	17.7	3.4246	0.6077
B120	89-0506	06/06/89	203.5	0.528	0.129	0.476	150.0	0.200	11.4	14.256	1.8480
B120	89-0507	06/06/89	197.5	0.527	0.126	0.502	140.0	0.200	10.2	13.902	1.9220
B120	89-0522	06/06/89	66.3	0.513	0.133	0.189	68.5	0.211	11.3	5.1680	0.6260
B120	89-0523	06/06/89	71.3	0.535	0.131	0.196	70.5	0.212	12.2	4.0840	0.5120
B120	89-0584	07/10/89	16.2	0.040	<0.005	0.279	18.3	0.370	28.4	5.4200	1.2260
B120	89-0585	07/10/89	14.4	0.046	<0.005	0.299	18.6	0.372	24.3	5.3027	1.1953
B120	89-0623	07/24/89	6.6	0.024	<0.005	0.094	8.6	0.423	17.4		
B120	89-0624	07/24/89	7.3	0.026	<0.005	0.100	8.6	0.423	16.8		
B120	89-0620	07/25/89	6.6	0.052	<0.005	0.157	10.3	0.608	16.8		
B120	89-0621	07/25/89	6.7	0.074	<0.005	0.156	9.9	0.610	15.0		
B120	89-1692	08/07/89	5.4	0.015	0.019	0.288	15.6	0.435	30.9		
B120	89-1693	08/07/89	8.6	0.017	0.018	0.318	15.1	0.444	31.3		
B130	89-0064	01/18/89	2.7	0.037	0.019	0.011	3.4	0.246	18.7	0.8348	0.0932
B130	89-0065	01/18/89	2.5	0.056	0.010	0.012	3.6	0.242	18.7	0.7232	0.0900
B130	89-0080	02/06/89	2.1	0.069	0.021	0.008	2.2	0.243	18.4	0.4268	0.0400
B130	89-0081	02/06/89	1.6	0.071	0.030	0.009	2.1	0.245	18.2	0.3884	0.0328
B130	89-0116	02/27/89	1.7	0.031	0.014	0.006	2.1	0.142	16.6	0.3668	0.0328
B130	89-0117	02/27/89	1.7	0.028	0.015	0.005	1.7	0.142	16.1	0.3840	0.0292
B130	89-0279	03/13/89	0.8	0.011	0.014	0.004	1.2	0.216	14.8	0.2016	0.0196
B130	89-0280	03/13/89	1.6	0.013	0.012	0.004	0.9	0.226	14.1	0.1704	0.0154
B130	89-0315	04/10/89	1.5	0.033	0.010	0.007	1.4	0.224	14.3	0.3556	0.0416
B130	89-0316	04/10/89	1.4	0.025	0.012	0.007	1.2	0.206	14.2	0.3588	0.0408
B130	89-0351	05/01/89	1.8	<0.005	<0.005	0.009	1.3	0.227	15.4	0.4084	0.0708
B130	89-0352	05/01/89	1.8	0.009	<0.005	0.008	1.3	0.226	14.3	0.4148	0.0500
B130	89-0476	05/30/89	1.9	0.026	<0.005	0.024	1.6	0.244	16.0	0.4380	0.1056
B130	89-0477	05/30/89	1.3	0.037	<0.005	0.024	1.2	0.242	14.9	0.3868	0.1012
B130	89-0510	06/06/89	4.1	0.052	0.018	0.028	3.1	0.231	18.1	1.4740	0.2100
B130	89-0511	06/06/89	5.4	0.039	0.023	0.027	2.6	0.227	17.0	1.7464	0.2544
B130	89-0532	06/07/89	3.3	0.019	0.012	0.036	1.8	0.219	17.6	1.4152	0.2304
B130	89-0533	06/07/89	3.5	0.021	0.014	0.036	2.1	0.219	15.7	1.5580	0.2644
B130	89-0536	06/07/89	3.1	0.014	<0.005	0.013	2.4	0.201	15.2	1.3664	0.1176
B130	89-0537	06/07/89	2.5	0.014	<0.005	0.013	1.6	0.198	16.5	1.0184	0.1084
B130	89-0544	06/09/89	3.9	0.049	<0.005	0.030	2.6	0.227	18.6	1.1768	0.2440
B130	89-0545	06/09/89	3.3	0.010	<0.005	0.032	2.4	0.223	18.5	1.2100	0.2648
B130	89-0552	06/26/89	1.2	0.088	0.154	0.011	2.0	0.170	18.4	0.1936	0.0388
B130	89-0553	06/26/89	1.3	0.077	0.145	0.008	1.6	0.169	18.4	0.2188	0.0424
B130	89-0588	07/10/89	1.9	0.094	0.007	0.010	3.4	0.483	31.1	0.3880	0.0436
B130	89-0589	07/10/89	1.7	0.098	0.006	0.011	3.4	0.460	26.8	0.3940	0.0408
B130	89-0627	07/24/89	2.7	0.085	0.034	0.012	4.0	0.592	29.7		
B130	89-0628	07/24/89	2.1	0.088	0.034	0.012	3.5	0.574	27.9		
B130	89-0640	07/25/89	2.5	0.080	0.038	0.012	3.5	0.584	26.7		
B130	89-0641	07/25/89	3.8	0.078	0.033	0.014	3.5	0.614	27.4		

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B130	89-0656	07/26/89	2.1	0.066	0.030	0.006	3.1	0.558	26.9		
B130	89-0657	07/26/89	2.1	0.060	0.030	0.008	2.9	0.544	31.3		
B130	89-1660	07/28/89	1.5	0.039	0.018	0.009	3.1	0.457	25.4		
B130	89-1661	07/28/89	1.9	0.033	0.018	0.008	3.7	0.457	28.3		
B130	89-1672	07/29/89	1.5	0.034	0.020	0.008	2.5	0.454	24.2		
B130	89-1673	07/29/89	0.7	0.046	0.019	0.008	2.2	0.458	25.3		
B130	89-1682	07/30/89	1.7	0.060	0.018	0.009	2.5	0.461	29.1		
B130	89-1683	07/30/89	1.9	0.050	0.019	0.008	2.5	0.446	28.1		
B130	89-1696	08/07/89	1.2	0.056	0.026	0.007	2.3	0.324	28.1		
B130	89-1697	08/07/89	1.1	0.033	0.021	0.008	2.6	0.328	25.2		
B140	89-0066	01/18/89	0.4	0.028	0.070	0.007	1.1	0.366	20.0	0.4616	0.0496
B140	89-0067	01/18/89	<0.2	0.029	0.066	0.008	1.1	0.364	20.2	0.4856	0.0540
B140	89-0082	02/06/89	<0.2	0.028	0.027	0.018	2.3	0.290	18.4	1.0116	0.1040
B140	89-0083	02/06/89	1.6	0.030	0.022	0.006	1.9	0.290	18.3	0.3168	0.0276
B140	89-0118	02/27/89	0.4	0.022	0.012	0.002	1.3	0.154	18.0	0.1480	0.0112
B140	89-0119	02/27/89	0.3	0.010	0.011	0.002	0.6	0.154	18.8	0.1416	0.0092
B140	89-0281	03/13/89	0.5	0.012	<0.005	0.008	0.9	0.163	14.3	0.3212	0.0400
B140	89-0282	03/13/89	0.5	0.006	<0.005	0.005	1.0	0.163	13.4	0.3420	0.0452
B140	89-0317	04/10/89	0.3	0.018	0.009	0.003	0.6	0.102	13.0	0.2204	0.0248
B140	89-0318	04/10/89	0.4	0.013	<0.005	0.003	0.6	0.096	15.7	0.2296	0.0304
B140	89-0353	05/01/89	0.9	0.029	<0.005	0.005	0.4	0.072	15.3	0.2092	0.0184
B140	89-0354	05/01/89	0.5	<0.005	<0.005	0.005	0.6	0.071	14.5	0.2392	0.0216
B140	89-0479	05/30/89	0.6	0.033	<0.005	0.007	0.4	0.069	14.1	0.2508	0.0604
B140	89-0478	05/30/89	0.6	0.024	<0.005	0.007	0.5	0.072	13.5	0.2892	0.0680
B140	89-0512	06/06/89	1.3	0.025	<0.005	0.007	0.9	0.077	15.7	0.3440	0.0448
B140	89-0513	06/06/89	1.5	0.027	<0.005	0.008	0.9	0.081	15.7	0.3276	0.0348
B140	89-0538	06/07/89	1.1	0.014	<0.005	0.009	0.8	0.082	16.0	0.2912	0.0276
B140	89-0539	06/07/89	1.0	0.009	<0.005	0.006	0.9	0.080	16.5	0.2516	0.0256
B140	89-0546	06/09/89	0.7	0.011	<0.005	0.008	0.8	0.091	16.9	0.2500	0.0504
B140	89-0547	06/09/89	0.9	0.010	<0.005	0.008	0.6	0.096	16.5	0.2576	0.0488
B140	89-0554	06/26/89	0.8	0.040	<0.005	0.007	0.9	0.116	15.9	0.3540	0.0664
B140	89-0555	06/26/89	0.3	0.043	<0.005	0.006	1.0	0.120	14.7	0.2528	0.0464
B140	89-0590	07/10/89	2.9	0.099	<0.005	0.043	3.2	0.476	28.5	1.2732	0.1720
B140	89-0591	07/10/89	2.7	0.123	<0.005	0.033	2.9	0.474	28.4	0.8028	0.1012
B140	89-0629	07/24/89	23.7	0.156	0.012	0.041	3.0	0.415	23.0		
B140	89-0630	07/24/89	2.6	0.142	0.012	0.062	2.6	0.413	24.0		
B140	89-0642	07/25/89	7.1	0.223	0.013	0.040	1.5	0.422	23.4		
B140	89-0643	07/25/89	1.8	0.197	0.013	0.013	1.3	0.417	23.8		
B140	89-0658	07/26/89	2.1	0.126	0.013	0.017	1.4	0.426	27.8		
B140	89-0659	07/26/89	3.0	0.119	0.012	0.012	1.3	0.425	23.5		
B140	89-1662	07/28/89	1.1	0.133	0.009	0.028	1.3	0.477	27.4		
B140	89-1663	07/28/89	2.3	0.094	0.010	0.014	2.3	0.468	25.3		
B140	89-1674	07/29/89	1.2	0.141	0.012	0.015	1.4	0.487	26.1		
B140	89-1675	07/29/89	1.2	0.147	0.012	0.012	1.1	0.483	25.4		
B140	89-1684	07/30/89	1.3	0.118	0.011	0.013	1.3	0.489	27.4		
B140	89-1685	07/30/89	1.6	0.145	0.010	0.018	1.3	0.494	28.4		
B140	89-1688	07/31/89	1.3	0.124	0.014	0.011	1.2	0.463	23.3		

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B140	89-1689	07/31/89	1.1	0.125	0.014	0.011	1.2	0.467	25.4		
B140	89-1698	08/07/89	6.3	0.115	0.011	0.011	1.9	0.466	27.7		
B140	89-1699	08/07/89	0.4	0.116	0.011	0.011	1.0	0.484	29.2		
B150	89-0068	01/18/89	0.9	0.035	0.231	0.011	3.5	0.162	12.0	0.1844	0.0132
B150	89-0069	01/18/89	0.9	0.140	0.272	0.009	3.8	0.159	11.7	0.1408	0.0132
B150	89-0084	02/06/89	1.2	0.047	0.120	0.008	3.3	0.140	11.9	0.1372	0.0068
B150	89-0085	02/06/89	0.7	0.037	0.115	0.007	3.8	0.133	11.5	0.0996	0.0024
B150	89-0120	02/27/89	1.2	0.019	0.805	0.007	2.9	0.069	13.5	0.2572	0.0196
B150	89-0121	02/27/89	1.1	0.037	0.805	0.008	2.6	0.068	12.4	0.1732	0.0136
B150	89-0283	03/13/89	1.6	0.038	0.590	0.009	3.3	0.146	13.5	1.2156	0.0936
B150	89-0284	03/13/89	2.5	0.039	0.595	0.017	3.3	0.146	13.6	1.9664	0.1540
B150	89-0319	04/10/89	1.1	0.029	0.008	0.031	1.1	0.104	12.3	0.6492	0.0564
B150	89-0320	04/10/89	0.7	0.022	0.013	0.003	1.1	0.107	12.1	0.0684	0.0092
B150	89-0355	05/01/89	2.9	0.025	0.013	0.012	1.4	0.120	10.3	0.2408	0.0148
B150	89-0356	05/01/89	2.2	0.066	0.014	0.011	1.0	0.121	9.9	0.2692	0.0176
B150	89-0480	05/30/89	1.1	0.047	<0.005	0.036	1.3	0.156	15.0	0.8224	0.1952
B150	89-0481	05/30/89	3.1	0.040	<0.005	0.016	1.8	0.159	14.5	0.2160	0.0540
B150	89-0514	06/06/89	1.7	0.052	0.552	0.013	1.9	0.163	13.4	0.2832	0.0300
B150	89-0515	06/06/89	1.3	0.057	0.550	0.006	1.6	0.157	14.2	0.1812	0.0184
B150	89-0526	06/07/89	1.5	0.105	0.736	0.005	1.4	0.160	14.0	0.1024	0.0108
B150	89-0527	06/07/89	0.5	0.110	0.736	0.005	1.1	0.161	16.0	0.0920	0.0080
B150	89-0540	06/08/89	1.4	0.066	0.816	0.009	1.8	0.146	17.5		
B150	89-0541	06/08/89	1.5	0.063	0.812	0.016	1.8	0.143	17.2	0.3020	0.0432
B150	89-0556	06/26/89	2.1	0.080	0.312	0.012	2.8	0.336	18.1	0.2148	0.0504
B150	89-0557	06/26/89	0.3	0.085	0.316	0.012	2.6	0.334	15.6	0.2008	0.0372
B150	89-0592	07/10/89	2.1	0.064	1.411	0.016	2.4	0.198	20.1	0.6104	0.0740
B150	89-0593	07/10/89	3.6	0.058	1.428	0.015	2.6	0.195	20.0	0.6872	0.0728
B150	89-0631	07/24/89	1.4	0.053	0.142	0.011	2.1	0.245	22.2		
B150	89-0632	07/24/89	2.9	0.056	0.140	0.011	1.9	0.242	26.3		
B150	89-0644	07/25/89	1.3	0.055	0.167	0.011	1.9	0.239	24.4		
B150	89-0645	07/25/89	1.8	0.069	0.174	0.012	1.8	0.237	21.9		
B150	89-0662	07/26/89	2.5	0.046	0.080	0.013	2.1	0.282	27.6		
B150	89-0663	07/26/89	2.5	0.046	0.080	0.013	2.1	0.274	27.3		
B150	89-1664	07/28/89	3.1	0.018	0.149	0.043	3.0	0.314	28.2		
B150	89-1665	07/28/89	2.4	0.019	0.152	0.104	3.2	0.313	26.5		
B150	89-1676	07/29/89	2.4	0.040	0.137	0.015	2.7	0.568	24.2		
B150	89-1677	07/29/89	2.5	0.047	0.137	0.013	2.5	0.578	22.8		
B150	89-1700	08/07/89	1.5	0.037	0.217	0.012	2.3	0.384	29.2		
B150	89-1701	08/07/89	1.4	0.035	0.218	0.011	2.4	0.385	31.2		
B160	89-0070	01/18/89	3.1	0.053	0.083	0.008	3.0	0.347	19.6	0.6964	0.0576
B160	89-0071	01/18/89	3.5	0.059	0.081	0.008	2.9	0.352	21.4	0.5996	0.0496
B160	89-0086	02/06/89	0.8	0.053	0.057	0.006	0.8	0.320	18.4	0.2856	0.0232
B160	89-0087	02/06/89	1.3	0.055	0.057	0.006	1.0	0.312	18.3	0.2932	0.0268
B160	89-0122	02/27/89	0.4	0.024	0.039	0.003	0.9	0.181	19.4	0.1744	0.0144
B160	89-0123	02/27/89	0.8	0.064	0.035	0.003	0.9	0.185	17.2	0.2152	0.0144
B160	89-0285	03/13/89	4.5	0.012	0.009	0.005	1.2	0.146	14.5	0.4276	0.0320
B160	89-0286	03/13/89	4.2	0.016	0.007	0.006	1.1	0.147	14.7	0.6344	0.0480

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B160	89-0321	04/10/89	1.9	0.025	0.015	0.009	1.1	0.174	13.8	0.4836	0.0436
B160	89-0322	04/10/89	3.1	0.038	0.016	0.007	1.0	0.173	12.1	0.4480	0.0380
B160	89-0357	05/01/89	5.3	0.012	<0.005	0.089	1.9	0.216	16.5	1.1576	0.1500
B160	89-0358	05/01/89	5.0	0.006	<0.005	0.089	1.9	0.219	16.4	1.1156	0.1436
B160	89-0482	05/30/89	8.1	0.325	0.014	0.037	3.5	0.374	17.9	1.5568	1.6668
B160	89-0483	05/30/89	9.3	0.250	0.013	0.037	4.2	0.370	17.0	1.5936	0.4072
B160	89-0516	06/06/89	3.1	0.110	0.029	0.013	2.0	0.266	14.9	0.8920	0.1240
B160	89-0517	06/06/89	2.6	0.111	0.028	0.013	2.1	0.270	16.6	0.5160	0.0608
B160	89-0548	06/09/89	3.8	0.070	0.036	0.020	2.4	0.227	19.4	0.6780	0.1252
B160	89-0549	06/09/89	4.7	0.072	0.037	0.020	3.8	0.227	17.9	0.6824	0.1280
B160	89-0558	06/26/89	8.7	0.118	0.027	0.032	2.4	0.101	14.8	1.2180	0.2216
B160	89-0559	06/26/89	8.4	0.135	0.027	0.038	2.1	0.101	15.5	1.4316	0.2732
B160	89-0594	07/10/89	3.9	0.055	<0.005	0.056	2.2	0.534	23.3	2.1100	0.3150
B160	89-0595	07/10/89	5.3	0.055	<0.005	0.057	2.0	0.532	28.8	1.9013	0.2613
B160	89-0633	07/24/89	4.5	0.124	0.013	0.020	1.9	0.418	24.2		
B160	89-0634	07/24/89	3.8	0.084	0.013	0.021	1.4	0.417	23.2		
B160	89-0646	07/25/89	1.7	0.136	0.015	0.019	1.6	0.417	24.7		
B160	89-0647	07/25/89	2.6	0.117	0.013	0.019	2.1	0.418	23.4		
B160	89-0660	07/26/89	3.2	0.127	0.015	0.013	1.6	0.432	28.0		
B160	89-0661	07/26/89	2.0	0.129	0.014	0.011	1.6	0.430	27.7		
B160	89-0670	07/27/89	2.4	0.160	0.010	0.012	1.5	0.442	26.6		
B160	89-0671	07/27/89	2.1	0.159	0.010	0.011	1.4	0.442	28.5		
B160	89-1686	07/30/89	1.9	0.106	0.013	0.011	1.5	0.463	25.4		
B160	89-1687	07/30/89	1.5	0.077	0.011	0.011	1.9	0.468	25.6		
B160	89-1690	07/31/89	1.1	0.067	0.013	0.009	1.3	0.428	24.6		
B160	89-1691	07/31/89	1.3	0.067	0.012	0.009	1.0	0.429	27.4		
B160	89-1702	08/07/89	1.0	0.088	0.012	0.008	1.0	0.436	23.9		
B160	89-1703	08/07/89	5.9	0.101	0.011	0.008	0.9	0.428	26.4		
B170	89-0072	01/18/89	0.3	<0.005	0.055	0.002	1.5	0.173	13.6	0.0272	0.0052
B170	89-0073	01/18/89	0.4	0.006	0.053	0.002	1.2	0.156	12.5	0.0824	0.0068
B170	89-0088	02/06/89	1.5	0.025	0.052	0.006	2.1	0.171	13.6	0.0936	0.0004
B170	89-0089	02/06/89	1.3	0.012	0.055	0.007	2.0	0.166	16.5	0.0888	0.0020
B170	89-0126	02/27/89	5.6	0.013	0.009	0.053	4.2	0.228	14.9	0.3412	0.0216
B170	89-0127	02/27/89	2.0	0.010	0.008	0.061	4.5	0.237	14.8	0.3248	0.0196
B170	89-0289	03/13/89	1.8	0.021	0.022	0.027	3.5	0.235	16.4	0.2380	0.0172
B170	89-0290	03/13/89	1.3	0.017	0.020	0.026	3.6	0.236	20.9	0.2412	0.0188
B170	89-0325	04/10/89	1.9	0.023	0.010	0.059	3.0	0.230	11.8	0.2656	0.0260
B170	89-0326	04/10/89	2.2	0.023	0.009	0.056	3.0	0.234	12.0	0.2516	0.0252
B170	89-0361	05/01/89	4.3	0.013	<0.005	0.165	3.4	0.205	11.9	0.5484	0.0492
B170	89-0362	05/01/89	5.8	0.008	<0.005	0.129	3.8	0.198	12.3	0.4328	0.0348
B170	89-0520	06/06/89	10.2	0.017	<0.005	0.624	5.9	0.141	15.5	1.6784	0.1560
B170	89-0521	06/06/89	3.0	0.023	<0.005	0.848	3.1	0.139	13.8	2.9284	0.3088
B170	89-0530	06/07/89	4.2	0.036	<0.005	0.127	5.3	0.124	15.1	0.4120	0.0364
B170	89-0531	06/07/89	7.7	0.030	<0.005	0.148	5.9	0.100	15.2	0.5872	0.0532
B170	89-0542	06/08/89	0.9	0.027	<0.005	0.003	0.5	0.332	16.8	0.0696	0.0056
B170	89-0543	06/08/89	0.9	0.029	<0.005	0.005	0.3	0.324	17.7	0.0924	0.0064
B170	89-0562	06/26/89	5.1	0.074	0.271	0.093	7.0	0.672	22.3	1.7680	0.5028

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B170	89-0563	06/26/89	5.1	0.127	0.280	0.090	6.9	0.680	21.8	1.5568	0.4588
B170	89-0598	07/10/89	5.3	0.193	0.025	0.065	5.6	0.616	34.0	0.9116	0.0792
B170	89-0599	07/10/89	6.3	0.160	0.023	0.060	6.3	0.628	36.8	0.8880	0.0776
B170	89-0637	07/24/89	2.3	0.091	0.079	0.029	4.9	0.143	28.6		
B170	89-0638	07/24/89	3.0	0.082	0.079	0.034	4.5	0.141	26.1		
B170	89-0650	07/25/89	3.0	0.063	0.059	0.024	3.9	0.119	27.1		
B170	89-0651	07/25/89	4.3	0.110	0.057	0.040	3.9	0.118	28.7		
B170	89-0666	07/26/89	3.3	0.052	0.033	0.022	3.7	0.148	27.6		
B170	89-0667	07/26/89	3.3	0.053	0.033	0.019	3.7	0.141	30.8		
B170	89-1656	07/27/89	2.0	0.060	0.039	0.022	3.2	0.123	31.7		
B170	89-1657	07/27/89	3.0	0.052	0.038	0.013	3.3	0.121	31.2		
B170	89-1668	07/28/89	2.6	0.037	0.030	0.019	3.2	0.130	26.6		
B170	89-1669	07/28/89	2.0	0.038	0.029	0.022	3.4	0.132	28.0		
B170	89-1680	07/29/89	1.6	0.041	0.036	0.016	2.9	0.122	26.2		
B170	89-1681	07/29/89	2.1	0.093	0.034	0.016	1.1	0.121	32.7		
B170	89-1706	08/07/89	1.1	0.032	0.033	0.016	3.5	0.125	30.2		
B170	89-1707	08/07/89	1.1	0.032	0.031	0.017	3.8	0.126	30.0		
B180	89-0074	01/18/89	0.8	0.012	0.047	0.025	7.6	0.336	15.9	0.2232	0.0168
B180	89-0075	01/18/89	0.7	0.012	0.049	0.027	7.7	0.341	15.9	0.1932	0.0132
B180	89-0090	02/06/89	1.5	0.049	0.136	0.022	6.0	0.246	22.1	0.2376	0.0136
B180	89-0091	02/06/89	1.3	0.070	0.136	0.021	6.0	0.248	23.5	0.2616	0.0164
B180	89-0124	02/27/89	4.9	0.010	0.012	0.003	1.2	0.064	13.4	0.0852	0.0012
B180	89-0125	02/27/89	4.7	0.013	0.011	0.004	1.1	0.062	12.8	0.0956	0.0020
B180	89-0287	03/13/89	0.8	<0.005	0.279	0.005	1.4	0.177	13.4	0.0576	0.0056
B180	89-0288	03/13/89	0.6	<0.005	0.286	0.003	2.7	0.176	15.8	0.1544	0.0064
B180	89-0323	04/10/89	1.8	0.018	0.009	0.005	0.6	0.124	12.1	0.1252	0.0112
B180	89-0324	04/10/89	1.2	0.013	<0.005	0.005	0.5	0.125	12.8	0.1112	0.0092
B180	89-0359	05/01/89	4.2	0.033	<0.005	0.012	0.4	0.198	12.6	0.2192	0.0164
B180	89-0360	05/01/89	5.8	<0.005	<0.005	0.009	0.5	0.203	15.9	0.1300	0.0084
B180	89-0484	05/30/89	1.5	0.024	<0.005	0.006	0.6	0.356	14.0	0.1800	0.0432
B180	89-0485	05/30/89	1.3	0.033	<0.005	0.006	0.4	0.332	14.1	0.1468	0.0304
B180	89-0518	06/06/89	10.6	0.019	<0.005	0.035	1.5	0.275	15.2	0.7432	0.0592
B180	89-0519	06/06/89	7.5	0.018	<0.005	0.025	1.4	0.276	13.9	0.7344	0.0668
B180	89-0528	06/07/89	2.3	0.008	<0.005	0.009	0.5	0.312	13.5	0.1292	0.0140
B180	89-0529	06/07/89	2.5	0.015	<0.005	0.007	0.5	0.322	13.3	0.1448	0.0140
B180	89-0560	06/26/89	1.5	0.061	0.117	0.010	1.9	0.258	17.9	0.3104	0.0640
B180	89-0561	06/26/89	1.6	0.084	0.139	0.010	1.9	0.297	23.9	0.1864	0.0396
B180	89-0596	07/10/89	2.5	0.046	0.594	0.022	2.6	0.253	22.8	0.4596	0.0596
B180	89-0597	07/10/89	1.9	0.042	0.598	0.019	2.3	0.251	24.3	0.4448	0.0436
B180	89-0635	07/24/89	2.3	0.036	0.131	0.017	3.5	0.270	27.2		
B180	89-0636	07/24/89	2.7	0.039	0.130	0.017	3.5	0.269	26.5		
B180	89-0648	07/25/89	3.0	0.037	0.101	0.020	3.1	0.221	26.8		
B180	89-0649	07/25/89	2.1	0.036	0.103	0.022	3.0	0.215	29.9		
B180	89-0664	07/26/89	3.6	0.039	0.086	0.021	3.4	0.244	33.8		
B180	89-0665	07/26/89	5.4	0.045	0.087	0.022	3.7	0.245	30.3		
B180	89-0672	07/27/89	3.7	0.028	0.063	0.025	3.3	0.244	31.0		
B180	89-0673	07/27/89	3.0	0.028	0.065	0.024	2.8	0.246	34.4		

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU (mg/l)	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
B180	89-1666	07/28/89	3.1	0.030	0.082	0.028	3.3	0.280	31.5		
B180	89-1667	07/28/89	2.5	0.052	0.081	0.027	3.1	0.275	30.7		
B180	89-1678	07/29/89	4.4	0.037	0.079	0.030	4.9	0.155	24.2		
B180	89-1679	07/29/89	4.9	0.043	0.078	0.028	4.8	0.153	25.8		
B180	89-1704	08/07/89	3.2	0.061	0.114	0.032	4.0	0.342	33.0		
B180	89-1705	08/07/89	3.0	0.064	0.115	0.031	4.0	0.344	33.9		

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total (ft.) (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed Direction (mph)
E210	01/17/89	1028	1053	7.90	-----	2.50	RISING	NO	89-0050 CL	23.0	0-5 SW
E210	02/07/89	1112	1135	7.98	-----	2.40	RISING	NO	89-0092 PC 15%	26.0	7-10 SE
E210	02/07/89	1112	1135	8.07	-----	2.40	RISING	NO	89-0093 PC 15%	26.0	7-10 SE
E210	02/28/89	1108	1131	8.05	-----	2.60	RISING	NO	89-0128 PC 95%	26.5	5 180
E210	02/28/89	1108	1131	8.00	-----	2.60	RISING	NO	89-0129 PC 95%	26.5	5 180
E210	03/14/89	1121	1158	8.09	-----	2.80	RISING	NO	89-0291 HZ	24.0	4-5 140
E210	03/14/89	1121	1158	8.07	-----	2.80	RISING	NO	89-0292 HZ	24.0	4-5 140
E210	04/11/89	1119	1148	8.03	-----	2.50	RISING	NO	89-0327 PC 55%	25.5	8-10 220
E210	04/11/89	1119	1148	7.99	-----	2.60	RISING	NO	89-0328 PC 55%	25.5	8-10 220
E210	05/02/89	0920	0944	7.86	-----	2.55	RISING	NO	89-0363 PC 20%	-----	8 340
E210	05/02/89	0920	0944	7.86	-----	2.55	RISING	NO	89-0364 PC 20%	-----	8 340
E210	05/31/89	1001	1034	8.02	-----	2.70	RISING	NO	89-0486 PC 30%	29.0	8-10 100
E210	05/31/89	1001	1034	8.07	-----	2.70	RISING	NO	89-0487 PC 30%	29.0	9-10 100
E210	06/27/89	0926	0943	7.87	-----	3.00	RISING	NO	89-0566 RAIN	27.0	CALM ---
E210	06/27/89	0926	0943	7.88	-----	3.00	RISING	NO	89-0567 RAIN	27.0	CALM ---
E210	07/11/89	1148	1210	8.62	-----	2.70	FALLING	NO	89-0600 PC 20%	32.0	5 160
E210	07/11/89	1148	1210	8.65	-----	2.70	FALLING	NO	89-0601 PC 20%	32.0	5 160
E210	08/08/89	1317	1357	7.78	-----	2.50	RISING	YES	89-1708 PC 60%	32.0	8 240
E210	08/08/89	1317	1357	7.86	-----	2.50	RISING	YES	89-1709 PC 60%	32.0	8 240
E210	08/08/89	1317	1357	7.87	-----	2.50	RISING	YES	89-1710 PC 60%	32.0	8 240
E210	08/08/89	1317	1357	7.90	-----	2.50	RISING	YES	89-1711 PC 60%	32.0	8 240
E210	08/24/89	0725	0757	7.55	-----	3.00	RISING	NO	89-1748 PC 10%	26.0	6 90
E210	08/24/89	0725	0757	7.57	-----	3.00	RISING	NO	89-1749 PC 10%	26.0	6 90
E210	09/12/89	1033	1056	7.65	-----	3.00	RISING	NO	89-1884 PC 10%	31.0	11 90
E210	09/12/89	1033	1056	7.77	-----	3.00	RISING	NO	89-1885 PC 10%	31.0	11 90
E210	10/31/89	1023	1041	7.42	-----	2.30	SLACK-L	NO	89-2050 FOG, PC 10%	22.0	5 120
E210	10/31/89	1023	1041	7.44	-----	2.30	SLACK-L	NO	89-2051 FOG, PC 10%	22.0	5 120
E210	11/20/89	1120	1147	7.48	-----	2.40	FALLING	NO	89-2356 PC 60%	24.0	2-3 135
E210	11/20/89	1120	1147	7.51	-----	2.40	FALLING	NO	89-2357 PC 60%	24.0	2-3 135
E210	12/05/89	1045	1117	7.80	-----	2.40	FALLING	NO	89-2393 CL	18.0	CALM ---
E210	12/05/89	1045	1117	7.82	-----	2.40	FALLING	NO	89-2394 CL	18.0	CALM ---
E215	09/12/89	1107	1135	7.54	-----	2.70	RISING	YES	89-1886 PC 30%	29.0	6-8 100
E215	09/12/89	1107	1135	7.65	-----	2.70	RISING	YES	89-1887 PC 30%	29.0	6-8 100
E215	09/12/89	1107	1135	7.76	-----	2.70	RISING	YES	89-1888 PC 30%	29.0	6-8 100
E215	09/12/89	1107	1135	7.82	-----	2.70	RISING	YES	89-1889 PC 30%	29.0	6-8 100
E220	01/17/89	1118	1135	7.63	-----	2.70	RISING	NO	89-0051 CL	23.0	CALM ---
E220	02/07/89	1152	1218	7.88	-----	3.05	RISING	NO	89-0094 PC 15%	28.5	6-8 SE
E220	02/07/89	1152	1218	7.96	-----	3.05	RISING	NO	89-0095 PC 15%	28.5	6-8 SE
E220	02/28/89	1147	1210	8.33	-----	3.10	RISING	NO	89-0225 PC 80%	23.5	8-10 200
E220	02/28/89	1147	1210	8.31	-----	3.10	RISING	NO	89-0226 PC 80%	23.5	8-10 200
E220	03/14/89	1209	1228	7.88	-----	3.00	RISING	NO	89-0293 CL	-----	8-9 220
E220	03/14/89	1209	1228	7.87	-----	3.00	RISING	NO	89-0294 CL	-----	8-9 220
E220	04/11/89	1206	1231	7.59	-----	2.45	RISING	NO	89-0329 PC 85%	30.0	2-5 220
E220	04/11/89	1206	1231	7.51	-----	2.45	RISING	NO	89-0330 PC 85%	30.0	2-5 220
E220	05/02/89	1007	1027	7.55	-----	2.40	RISING	NO	89-0365 PC 40%	25.0	9 340
E220	05/02/89	1007	1027	7.58	-----	2.40	RISING	NO	89-0366 PC 40%	25.0	9 340
E220	05/31/89	1052	1108	7.66	-----	2.50	RISING	NO	89-0488 PC 25%	29.0	7 100

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std.	Staff Gage Total	Depth, (ft.) (m)	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
E220	05/31/89	1052	1108	7.69	----	2.50	RISING	NO	89-0489 PC 25%	29.0	7	100
E220	06/27/89	0850	0909	7.53	-----	2.80	RISING	NO	89-0564 RAIN	25.0	6	140
E220	06/27/89	0850	0909	7.61	-----	2.80	RISING	NO	89-0565 RAIN	25.0	6	140
E220	07/11/89	1225	1236	8.19	-----	1.40	FALLING	NO	89-0602 -----	34.0	CALM	---
E220	07/11/89	1225	1236	8.28	-----	1.40	FALLING	NO	89-0603 -----	34.0	CALM	---
E220	08/08/89	1416	1434	7.13	-----	2.20	RISING	NO	89-1712 PC 50%	34.0	9-10	270
E220	08/08/89	1416	1434	7.20	-----	2.20	RISING	NO	89-1713 PC 50%	34.0	9-10	270
E220	08/24/89	0812	0827	7.32	-----	2.40	RISING	NO	89-1750 PC 20%	26.0	5	90
E220	08/24/89	0812	0827	7.35	-----	2.40	RISING	NO	89-1751 PC 20%	26.0	5	90
E220	09/12/89	1143	1158	7.21	-----	2.80	RISING	NO	89-1890 PC 40%	32.0	8	60
E220	09/12/89	1143	1158	7.50	-----	2.80	RISING	NO	89-1891 PC 40%	32.0	8	60
E220	10/31/89	1057	1115	7.46	-----	2.00	SLACK-L	NO	89-2052 PC 40%	26.5	5	120
E220	10/31/89	1057	1115	7.47	-----	2.00	SLACK-L	NO	89-2053 PC 40%	26.5	5	120
E220	11/20/89	1205	1219	7.84	-----	2.30	FALLING	NO	89-2358 PC 40%	23.0	CALM	---
E220	11/20/89	1205	1219	7.84	-----	2.30	FALLING	NO	89-2359 PC 40%	23.0	CALM	---
E220	12/05/89	1128	1148	7.60	-----	1.80	FALLING	NO	89-2395 PC 30%	22.0	CALM	---
E220	12/05/89	1128	1148	7.65	-----	1.80	FALLING	NO	89-2396 PC 30%	22.0	CALM	---
E230	01/17/89	1148	1205	7.74	-----	1.70	RISING	NO	89-0052 CL	21.0	5	NW
E230	02/07/89	1228	1245	7.75	-----	1.45	RISING	NO	89-0096 PC 15%	28.0	6-8	SE
E230	02/07/89	1228	1245	7.79	-----	1.45	RISING	NO	89-0097 PC 15%	28.0	6-8	SE
E230	02/28/89	1222	1242	8.35	-----	1.90	RISING	NO	89-0227 PC 60%	24.0	8-10	200
E230	02/28/89	1222	1242	8.34	-----	1.90	RISING	NO	89-0228 PC 60%	24.0	8-10	200
E230	03/14/89	1235	1249	7.83	-----	2.05	RISING	NO	89-0295 CL	----	7-9	180
E230	03/14/89	1235	1249	7.80	-----	2.05	RISING	NO	89-0296 CL	----	7-9	180
E230	04/11/89	1240	1307	7.62	-----	1.80	RISING	NO	89-0331 PC 80%	30.0	5-8	240
E230	04/11/89	1240	1307	7.57	-----	1.80	RISING	NO	89-0332 PC 80%	30.0	5-8	240
E230	05/02/89	1041	1100	7.63	-----	1.60	RISING	NO	89-0367 PC 40%	26.0	10	34
E230	05/02/89	1041	1100	7.66	-----	1.60	RISING	NO	89-0368 PC 40%	26.0	10	34
E230	05/31/89	1118	1134	7.67	-----	1.80	RISING	NO	89-0490 PC 20%	30.5	8	100
E230	05/31/89	1118	1134	7.66	-----	1.80	RISING	NO	89-0491 PC 20%	30.5	8	100
E230	06/27/89	1010	1019	7.46	-----	2.00	RISING	NO	89-0568 PC 30%	----	CALM	---
E230	06/27/89	1010	1019	7.42	-----	2.00	RISING	NO	89-0569 PC 30%	----	CALM	---
E230	07/11/89	1250	1302	8.42	-----	1.80	FALLING	NO	89-0604 -----	33.0	4	160
E230	07/11/89	1250	1302	8.45	-----	1.80	FALLING	NO	89-0605 -----	33.0	4	160
E230	08/08/89	1447	1508	7.15	-----	1.50	RISING	YES	89-1714 PC 40%	34.0	6-7	280
E230	08/08/89	1447	1508	7.14	-----	1.50	RISING	YES	89-1715 PC 40%	34.0	6-7	280
E230	08/08/89	1447	1508	7.01	-----	1.50	RISING	YES	89-1716 PC 40%	34.0	6-7	280
E230	08/08/89	1447	1508	7.01	-----	1.50	RISING	YES	89-1717 PC 40%	34.0	6-7	280
E230	08/24/89	0836	0848	7.14	-----	2.00	RISING	NO	89-1752 PC 25%	28.5	6	90
E230	08/24/89	0836	0848	7.12	-----	2.00	RISING	NO	89-1753 PC 25%	28.5	6	90
E230	09/12/89	1208	1221	7.00	-----	2.10	RISING	NO	89-1892 PC 40%	33.0	5-6	80
E230	09/12/89	1208	1221	7.23	-----	2.10	RISING	NO	89-1893 PC 40%	33.0	5-6	80
E230	10/31/89	1125	1135	7.21	-----	1.80	SLACK-L	NO	89-2054 PC 40%	26.0	CALM	---
E230	10/31/89	1125	1135	7.17	-----	1.80	SLACK-L	NO	89-2055 PC 40%	26.0	CALM	---
E230	11/20/89	1230	1240	7.69	-----	1.50	FALLING	NO	89-2360 PC 30%	24.6	----	---
E230	11/20/89	1230	1240	7.64	-----	1.50	FALLING	NO	89-2361 PC 30%	24.5	----	---
E230	12/05/89	1157	1208	7.45	-----	1.20	FALLING	NO	89-2397 PC 45%	18.0	6	340

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed Direction
					units (ft.)	(m)					(mph)
E230	12/05/89	1157	1208	7.46	-----	1.20	FALLING	NO	89-2398 PC 45%	18.0	6 340
E232	07/11/89	1345	1400	8.35	-----	0.95	FALLING	NO	89-0608 PC 60%	31.0	7 220
E232	07/11/89	1345	1400	8.35	-----	0.95	FALLING	NO	89-0609 PC 60%	31.0	7 220
E232	08/08/89	1637	1649	6.93	-----	0.80	RISING	NO	89-1722 PC 30%	30.0	9 240
E232	08/08/89	1637	1649	6.96	-----	0.80	RISING	NO	89-1723 PC 30%	30.0	9 240
E232	09/12/89	1227	1238	7.26	-----	2.00	RISING	NO	89-1894 PC 50%	33.0	6-8 90
E232	09/12/89	1227	1238	7.24	-----	2.00	RISING	NO	89-1895 PC 50%	33.0	6-8 90
E232	10/31/89	1149	1200	7.12	-----	1.30	RISING	NO	89-2056 PC 80%	26.0	CALM ---
E232	10/31/89	1149	1200	7.16	-----	1.30	RISING	NO	89-2057 PC 80%	26.0	CALM ---
E234	08/08/89	1700	1716	7.05	-----	1.60	RISING	NO	89-1724 PC 40%	29.5	9 270
E234	08/08/89	1700	1716	7.03	-----	1.60	RISING	NO	89-1725 PC 40%	29.5	9 270
E234	09/12/89	1249	1301	6.87	-----	2.20	RISING	NO	89-1896 PC 70%	--	5-8 60
E234	09/12/89	1249	1301	6.94	-----	2.20	RISING	NO	89-1897 PC 70%	--	5-8 60
E235	01/17/89	1223	1240	7.87	-----	1.40	RISING	NO	89-0054 -----	23.0	5 NW
E235	08/24/89	0856	0908	6.82	-----	1.70	RISING	NO	89-1754 PC	29.0	6 90
E235	08/24/89	0856	0908	6.90	-----	1.70	RISING	NO	89-1755 PC	29.0	6 90
E238	08/24/89	0917	0927	6.84	-----	2.00	RISING	NO	89-1844 PC 25%	29.0	6 90
E238	08/24/89	0917	0927	6.94	-----	2.00	RISING	NO	89-1845 PC 25%	29.0	6 90
E238	10/31/89	1205	1214	7.26	-----	1.40	RISING	NO	89-2058 PC 80%	25.0	CALM ---
E238	10/31/89	1205	1214	7.27	-----	1.40	RISING	NO	89-2059 PC 30%	25.0	CALM ---
E240	01/17/89	1220	1225	7.70	-----	1.60	RISING	NO	89-0053 CL	24.0	CALM ---
E240	02/07/89	1301	1317	7.70	-----	1.60	RISING	NO	89-0098 PC 15%	28.0	5-7 220
E240	02/07/89	1301	1317	7.78	-----	1.60	RISING	NO	89-0099 PC 15%	28.0	5-7 220
E240	02/28/89	1254	1311	8.24	-----	2.00	RISING	NO	89-0229 PC 75%	25.0	8-10 190
E240	02/28/89	1254	1311	8.23	-----	2.00	RISING	NO	89-0230 PC 75%	25.0	8-10 190
E240	03/14/89	1258	1312	7.75	-----	2.00	RISING	NO	89-0297 CL	28.0	9-15 180
E240	03/14/89	1258	1312	7.72	-----	2.00	RISING	NO	89-0298 CL	28.0	9-15 180
E240	04/11/89	1316	1336	7.46	-----	1.90	RISING	NO	89-0333 PC 75%	30.0	8-10 260
E240	04/11/89	1316	1336	7.53	-----	1.90	RISING	NO	89-0334 PC 75%	30.0	8-10 260
E240	05/02/89	1145	1200	7.54	-----	1.85	RISING	NO	89-0369 PC 50%	28.0	5-7 340
E240	05/02/89	1145	1200	7.56	-----	1.85	RISING	NO	89-0370 PC 50%	28.0	5-7 340
E240	05/31/89	1148	1202	7.64	-----	2.20	RISING	NO	89-0492 PC 30%	30.0	10 140
E240	05/31/89	1148	1202	7.63	-----	2.20	RISING	NO	89-0493 PC 30%	30.0	10 140
E240	06/27/89	1030	1045	7.27	-----	2.20	RISING	NO	89-0570 PC 30%	31.0	CALM ---
E240	06/27/89	1030	1045	7.33	-----	2.20	RISING	NO	89-0571 PC 30%	31.0	CALM ---
E240	07/11/89	1313	1325	8.20	-----	2.00	FALLING	NO	89-0606 OC 70%	31.0	5 160
E240	07/11/89	1313	1325	8.25	-----	2.00	FALLING	NO	89-0607 OC 70%	31.0	5 160
E240	08/08/89	1523	1536	6.89	-----	1.70	RISING	NO	89-1718 PC 40%	32.5	7-9 300
E240	08/08/89	1523	1536	6.89	-----	1.70	RISING	NO	89-1719 PC 40%	32.5	7-9 300
E240	08/24/89	0931	0943	6.80	-----	2.00	RISING	NO	89-1846 PC 15%	29.0	6 120
E240	08/24/89	0931	0943	6.84	-----	2.00	RISING	NO	89-1847 PC 15%	29.0	6 120
E240	09/12/89	1324	1336	6.97	-----	2.10	RISING	NO	89-1898 PC 85%	35.0	5-7 60
E240	09/12/89	1324	1336	7.03	-----	2.10	RISING	NO	89-1899 PC 85%	35.0	5-7 60
E240	10/31/89	1245	1256	6.98	-----	1.60	RISING	NO	89-2060 PC 90%	27.0	5-7 300
E240	10/31/89	1245	1256	7.00	-----	1.60	RISING	NO	89-2061 PC 90%	27.0	5-7 300
E240	11/20/89	1253	1304	7.73	-----	1.60	FALLING	NO	89-2362 PC 25%	28.0	CALM ---
E240	11/20/89	1253	1304	7.73	-----	1.60	FALLING	NO	89-2363 PC 25%	28.0	CALM ---

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
E240	12/05/89	1219	1230	7.72	-----	1.45	FALLING	NO	89-2399 PC 50%	19.0	4-6	20
E240	12/05/89	1219	1230	7.72	-----	1.45	FALLING	NO	89-2400 PC 50%	19.0	4-6	20
E250	01/17/89	1300	1312	7.74	-----	1.70	RISING	NO	89-0055 CL	27.0	8-9	NW
E250	02/07/89	1326	1341	7.70	-----	1.40	RISING	NO	89-0100 PC 15%	29.0	6-8	220
E250	02/07/89	1326	1341	7.76	-----	1.40	RISING	NO	89-0101 PC 15%	29.0	6-8	220
E250	02/28/89	1319	1337	7.89	-----	1.90	RISING	NO	89-0231 PC 90%	26.0	6-9	200
E250	02/28/89	1319	1337	7.88	-----	1.90	RISING	NO	89-0232 PC 90%	26.0	6-9	200
E250	03/14/89	1330	1351	7.63	-----	2.10	RISING	NO	89-0299 CL	28.0	9-12	180
E250	03/14/89	1330	1351	7.60	-----	2.10	RISING	NO	89-0299 CL	28.0	9-12	180
E250	04/11/89	1349	1408	7.28	-----	1.90	RISING	NO	89-0335 PC 75%	30.0	2	220
E250	04/11/89	1349	1408	7.42	-----	1.90	RISING	NO	89-0336 PC 75%	30.0	2	220
E250	05/02/89	1212	1229	7.42	-----	1.90	RISING	NO	89-0371 PC 50%	27.0	9-12	340
E250	05/02/89	1212	1229	7.42	-----	1.90	RISING	NO	89-0372 PC 50%	27.0	9-12	340
E250	05/31/89	1214	1230	7.54	-----	2.10	RISING	NO	89-0494 PC 40%	31.5	10	120
E250	05/31/89	1214	1230	7.54	-----	2.10	RISING	NO	89-0495 PC 40%	31.5	10	120
E250	06/27/89	1053	1106	7.08	-----	2.30	RISING	NO	89-0572 PC 60%	33.0	CALM	---
E250	06/27/89	1053	1106	7.11	-----	2.30	RISING	NO	89-0573 PC 60%	33.0	CALM	---
E250	07/11/89	1412	1422	7.86	-----	1.60	FALLING	NO	89-0610 PC 70%	32.0	6	280
E250	07/11/89	1412	1422	7.88	-----	1.60	FALLING	NO	89-0611 PC 70%	32.0	6	280
E250	08/08/89	1545	1556	6.93	-----	1.70	RISING	NO	89-1720 PC 40%	30.0	8-9	300
E250	08/08/89	1545	1556	6.92	-----	1.70	RISING	NO	89-1721 PC 40%	30.0	8-9	300
E250	08/24/89	0949	1001	6.83	-----	2.10	RISING	NO	89-1849 PC 20%	29.0	6	135
E250	08/24/89	0949	1001	6.81	-----	2.10	RISING	NO	89-1849 PC 20%	29.0	6	135
E250	09/12/89	1343	1356	6.93	-----	2.30	RISING	NO	89-1900 PC 90%	34.0	7-9	60
E250	09/12/89	1343	1356	6.96	-----	2.30	RISING	NO	89-1901 PC 90%	34.0	7-9	60
E250	10/31/89	1304	1315	7.03	-----	1.50	RISING	NO	89-2062 PC 90%	27.0	7	280
E250	10/31/89	1304	1315	7.06	-----	1.50	RISING	NO	89-2063 PC 90%	27.0	7	280
E250	11/20/89	1313	1324	7.67	-----	1.60	FALLING	NO	89-2364 -----	27.5	3	45
E250	11/20/89	1313	1324	7.69	-----	1.60	FALLING	NO	89-2365 -----	27.5	3	45
E250	12/05/89	1237	1249	7.58	-----	1.50	FALLING	NO	89-2401 PC 60%	20.0	5	340
E250	12/05/89	1237	1249	7.58	-----	1.50	FALLING	NO	89-2402 PC 60%	20.0	5	340
E255	07/11/89	1633	1641	7.63	-----	2.20	FALLING	NO	89-0618 PC 60%	33.0	4-5	320
E255	07/11/89	1633	1641	7.62	-----	2.20	FALLING	NO	89-0619 PC 60%	33.0	4-5	320
E255	11/20/89	1334	1347	7.67	-----	2.15	FALLING	NO	89-2366 PC 20%	28.0	4	310
E255	11/20/89	1334	1347	7.69	-----	2.15	FALLING	NO	89-2367 PC 20%	28.0	4	310
E255	12/05/89	1257	1311	7.57	-----	2.10	FALLING	NO	89-2403 PC 60%	20.0	4-5	350
E255	12/05/89	1257	1311	7.58	-----	2.10	FALLING	NO	89-2404 PC 60%	20.0	4-5	350
E260	01/17/89	1346	1405	7.23	-----	2.00	RISING	NO	89-0056 CL	27.0	0-5	NW
E260	02/07/89	1610	1627	7.68	-----	1.55	RISING	NO	89-0106 PC 35%	25.5	5	220
E260	02/07/89	1610	1627	7.78	-----	1.55	RISING	NO	89-0107 PC 35%	25.5	5	220
E260	02/28/89	1419	1439	8.02	-----	2.10	RISING	NO	89-0233 PC 50%	28.5	7-9	200
E260	02/28/89	1419	1439	7.97	-----	2.10	RISING	NO	89-0234 PC 50%	28.5	7-9	200
E260	03/14/89	1354	1409	7.60	-----	2.35	RISING	NO	89-0301 CL	27.0	9-12	200
E260	03/14/89	1354	1409	7.55	-----	2.35	RISING	NO	89-0302 CL	27.0	9-12	200
E260	04/11/89	1500	1520	7.36	-----	2.20	RISING	NO	89-0337 PC 40%	31.0	9-12	280
E260	04/11/89	1500	1520	7.47	-----	2.20	RISING	NO	89-0338 PC 40%	31.0	9-12	280
E260	05/02/89	1255	1311	7.37	-----	2.40	RISING	NO	89-0373 PC 60%	30.0	8	340

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std.	Staff Gage	Depth Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Direction
E260	05/02/89	1255	1311	7.32	-----	2.40	RISING	NO 89-0374	PC 60%	30.0	3	340
E260	05/31/89	1256	----	7.55	-----	2.50	RISING	NO 89-0456	PC 50%	33.0	7	100
E260	05/31/89	1256	----	7.56	-----	2.50	RISING	NO 89-0497	PC 50%	33.0	7	100
E260	06/27/89	1209	1223	6.91	-----	2.60	RISING	NO 89-0574	RAIN	30.0	CALM	---
E260	06/27/89	1209	1223	7.00	-----	2.60	RISING	NO 89-0575	RAIN	30.0	CALM	---
E260	07/11/89	1530	1543	7.60	-----	2.00	FALLING	NO 89-0612	RAIN	28.0	8-10	260
E260	07/11/89	1530	1543	7.62	-----	2.00	FALLING	NO 89-0613	RAIN	28.0	8-10	260
E260	08/08/89	1745	1754	7.06	-----	1.90	RISING	NO 89-1726	PC 30%	31.0	7	280
E260	08/08/89	1745	1754	7.05	-----	1.90	RISING	NO 89-1727	PC 30%	31.0	7	280
E260	08/24/89	1024	1036	6.73	-----	2.50	SLACK-H	NO 89-1850	PC 20%	30.0	5-8	135
E260	08/24/89	1024	1036	6.77	-----	2.50	SLACK-H	NO 89-1851	PC 20%	30.0	5-8	135
E260	09/12/89	1420	1431	6.79	-----	2.50	SLACK	NO 89-1902	PC 80%	34.0	7	60
E260	09/12/89	1420	1431	6.81	-----	2.50	SLACK	NO 89-1903	PC 80%	34.0	7	60
E260	10/31/89	1335	1347	7.26	-----	1.90	RISING	NO 89-2064	PC 90%	27.0	9-10	270
E260	10/31/89	1335	1347	7.19	-----	1.90	RISING	NO 89-2065	PC 90%	27.0	9-10	270
E260	11/20/89	1406	1419	7.68	-----	1.80	FALLING	NO 89-2368	PC 10%	25.0	2	310
E260	11/20/89	1406	1419	7.64	-----	1.80	FALLING	NO 89-2369	PC 10%	25.0	2	310
E260	12/05/89	1315	1329	7.50	-----	1.90	FALLING	NO 89-2405	PC 60%	19.0	7-9	300
E260	12/05/89	1315	1329	7.52	-----	1.90	FALLING	NO 89-2406	PC 60%	19.0	7-9	300
E264	02/07/89	1635	1650	7.98	-----	1.50	RISING	NO 89-0108	PC 20%	24.0	4-5	200
E264	02/07/89	1635	1650	8.06	-----	1.50	RISING	NO 89-0109	PC 20%	24.0	4-5	200
E265	01/17/89	1516	1531	7.48	-----	1.20	RISING	NO 89-0059	CL	23.0	0-10	SW
E265	02/28/89	1637	1650	7.88	-----	1.30	RISING	NO 89-0241	PC 10%	----	2-3	200
E265	02/28/89	1637	1650	7.96	-----	1.30	RISING	NO 89-0242	PC 10%	----	2-3	200
E265	03/14/89	1520	1535	7.47	-----	1.80	RISING	NO 89-0309	PC 15%	28.0	7-9	180
E265	03/14/89	1520	1535	7.42	-----	1.80	RISING	NO 89-0310	PC 15%	28.0	7-9	180
E265	11/20/89	1519	1531	7.72	-----	1.60	FALLING	NO 89-2374	CL	25.0	3	360
E265	11/20/89	1519	1531	7.67	-----	1.60	FALLING	NO 89-2375	CL	25.0	3	360
E265	12/05/89	1503	1511	7.24	-----	1.50	FALLING	NO 89-2411	CL	20.0	6-8	340
E265	12/05/89	1503	1511	7.24	-----	1.50	FALLING	NO 89-2412	CL	20.0	6-8	340
E268	02/07/89	1654	1708	8.01	-----	3.60	RISING	NO 89-0110	PC 10%	24.0	CALM	---
E268	02/07/89	1654	1708	8.04	-----	3.60	RISING	NO 89-0111	PC 10%	24.0	CALM	---
E270	01/17/89	1412	1428	7.44	-----	2.00	RISING	NO 89-0057	CL	23.5	0-10	SW
E270	02/07/89	1548	1607	7.79	-----	2.20	RISING	NO 89-0104	PC 30%	26.5	4-5	200
E270	02/07/89	1548	1607	7.82	-----	2.20	RISING	NO 89-0105	PC 30%	26.5	4-5	200
E270	02/28/89	1505	1530	7.91	-----	2.60	RISING	NO 89-0235	PC 30%	25.0	8-10	220
E270	02/28/89	1505	1530	7.89	-----	2.60	RISING	NO 89-0236	PC 30%	25.0	8-10	220
E270	03/14/89	1412	1420	7.36	-----	1.80	RISING	NO 89-0303	CL	27.0	7-10	180
E270	03/14/89	1412	1420	7.29	-----	1.80	RISING	NO 89-0304	CL	27.0	7-10	180
E270	04/11/89	1529	1548	7.44	-----	2.25	RISING	NO 89-0339	PC 25%	31.0	5-7	240
E270	04/11/89	1529	1548	7.46	-----	2.25	RISING	NO 89-0340	PC 25%	31.0	5-7	240
E270	05/02/89	1319	1333	7.49	-----	2.40	RISING	NO 89-0375	PC 50%	30.0	5	340
E270	05/02/89	1319	1333	7.46	-----	2.40	RISING	NO 89-0376	PC 50%	30.0	5	340
E270	05/31/89	1327	1343	7.47	-----	2.50	RISING	NO 89-0498	PC 50%	----	3-4	100
E270	05/31/89	1327	1343	7.49	-----	2.50	RISING	NO 89-0499	PC 50%	----	3-4	100
E270	06/27/89	1230	1243	6.86	-----	2.80	RISING	NO 89-0576	OC	29.0	7	240
E270	06/27/89	1230	1243	6.94	-----	2.80	RISING	NO 89-0577	OC	29.0	7	240

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH	Staff Std.	Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp °C	Wind Speed (mph)	Direction
E270	07/11/89	1549	1600	7.44	-----	2.20	FALLING	NO	89-0614 RAIN	30.0	5-6	260
E270	07/11/89	1549	1600	7.44	-----	2.20	FALLING	NO	89-0615 RAIN	30.0	5-6	260
E270	08/08/89	1801	1810	6.97	-----	2.25	RISING	NO	89-1728 PC 40%	27.5	4	279
E270	08/08/89	1801	1810	6.96	-----	2.25	RISING	NO	89-1729 PC 40%	27.5	4	270
E270	08/24/89	1046	1058	6.64	-----	2.50	SLACK-H	NO	89-1852 PC 20%	30.0	CALM	---
E270	08/24/89	1046	1058	6.63	-----	2.50	SLACK-H	NO	89-1853 PC 20%	30.0	CALM	---
E270	09/12/89	1437	1450	6.67	-----	3.00	SLACK	NO	89-1904 PC 85%	34.0	4-6	60
E270	09/12/89	1437	1450	6.72	-----	3.00	SLACK	NO	89-1905 PC 85%	34.0	4-6	60
E270	10/31/89	1353	1403	7.24	-----	2.00	RISING	NO	89-2066 PC 40%	28.0	5-6	280
E270	10/31/89	1353	1403	7.22	-----	2.00	RISING	NO	89-2067 PC 40%	28.0	5-6	280
E270	11/20/89	1426	1439	7.75	-----	2.10	FALLING	NO	89-2370 PC 10%	----	CALM	---
E270	11/20/89	1426	1439	7.74	-----	2.10	FALLING	NO	89-2371 PC 10%	----	CALM	---
E270	12/05/89	1355	1413	7.70	-----	2.20	FALLING	NO	89-2407 PC 20%	20.0	6-8	0
E270	12/05/89	1355	1413	7.70	-----	2.20	FALLING	NO	89-2408 PC 20%	20.0	6-8	0
E274	04/11/89	1716	1737	6.99	-----	2.70	RISING	NO	89-0345 PC 30%	30.0	7-10	260
E274	04/11/89	1716	1737	7.14	-----	2.70	RISING	NO	89-0346 PC 30%	30.0	7-10	260
E275	02/28/89	1610	1628	7.94	-----	1.60	RISING	NO	89-0239 PC 10%	----	5-6	200
E275	02/28/89	1610	1628	7.93	-----	1.60	RISING	NO	89-0240 PC 10%	----	5-6	200
E275	03/14/89	1455	1515	7.42	-----	3.10	RISING	NO	89-0307 CL	27.0	9-12	180
E275	03/14/89	1455	1515	7.38	-----	3.10	RISING	NO	89-0308 CL	27.0	9-12	180
E275	05/02/89	1534	1549	7.57	-----	2.40	RISING	NO	89-0381 PC 20%	29.0	CALM	---
E275	05/02/89	1534	1549	7.57	-----	2.40	RISING	NO	89-0382 PC 20%	29.0	CALM	---
E276	04/11/89	1637	1657	7.17	-----	3.25	RISING	NO	89-0343 PC 20%	31.0	4-6	250
E276	04/11/89	1637	1657	7.26	-----	3.25	RISING	NO	89-0344 PC 20%	31.0	4-6	250
E280	01/17/89	1440	1458	7.35	-----	3.50	RISING	NO	89-0058 CL	22.0	0-10	SW
E280	02/07/89	1518	1537	7.74	-----	3.40	RISING	NO	89-0102 PC 15%	29.0	4-5	180
E280	02/07/89	1518	1537	7.78	-----	3.40	RISING	NO	89-0103 PC 15%	29.0	4-5	180
E280	02/28/89	1541	1600	8.03	-----	3.10	RISING	NO	89-0237 PC 20%	27.0	4-5	180
E280	02/28/89	1541	1600	7.97	-----	3.10	RISING	NO	89-0238 PC 20%	27.0	4-5	180
E280	03/14/89	1430	1445	7.72	-----	3.55	RISING	NO	89-0305 -----	27.0	7-8	180
E280	03/14/89	1430	1445	7.69	-----	3.55	RISING	NO	89-0306 -----	27.0	7-8	180
E280	04/11/89	1605	1630	7.22	-----	3.60	RISING	NO	89-0341 PC 25%	30.0	5-7	260
E280	04/11/89	1605	1630	7.25	-----	3.60	RISING	NO	89-0342 PC 25%	30.0	5-7	260
E280	05/02/89	1343	1403	7.69	-----	3.10	RISING	NO	89-0377 PC 30%	31.0	7-9	340
E280	05/02/89	1343	1403	7.63	-----	3.10	RISING	NO	89-0378 PC 30%	31.0	7-9	340
E280	05/31/89	1355	1410	7.54	-----	4.40	RISING	NO	89-0500 PC 75%	33.0	5-9	120
E280	05/31/89	1355	1410	7.57	-----	4.40	RISING	NO	89-0501 PC 75%	33.0	5-9	120
E280	06/27/89	1252	1308	6.86	-----	4.00	RISING	NO	89-0578 OC	----	----	----
E280	06/27/89	1252	1308	6.96	-----	4.00	RISING	NO	89-0579 OC	----	----	----
E280	07/11/89	1608	1619	7.51	-----	3.00	FALLING	NO	89-0616 PC 80%	32.0	7-9	320
E280	07/11/89	1608	1619	7.51	-----	3.00	FALLING	NO	89-0617 PC 80%	32.0	7-9	320
E280	08/08/89	1819	1832	6.89	-----	2.90	RISING	NO	89-1730 PC 25%	27.0	3-5	300
E280	08/08/89	1819	1832	6.93	-----	2.90	RISING	NO	89-1731 PC 25%	27.0	3-5	300
E280	08/24/89	1108	1128	6.92	-----	4.00	SLACK-H	NO	89-1854 PC 30%	32.0	7	135
E280	08/24/89	1108	1128	6.94	-----	4.00	SLACK-H	NO	89-1855 PC 30%	32.0	7	135
E280	09/12/89	1459	1516	6.68	-----	3.50	FALLING	NO	89-1906 PC 75%	35.0	3	60
E280	09/12/89	1459	1516	6.62	-----	3.50	FALLING	NO	89-1907 PC 75%	35.0	3	60

Myakka River Basin Project
Data Report through December, 1989

Station	Date	Start Time	End Time	pH Std.	Staff Depth, Gage Total	Tide	Stratified Cont. Number	Weather general conditions	Air Temp C	Wind Speed (mph)	Wind Direction
E280	10/31/89	1415	1427	6.95	----- 2.50	RISING	NO	89-2068 PC 20%	29.0	8	280
E280	10/31/89	1415	1427	6.92	----- 2.50	RISING	NO	89-2069 PC 20%	29.0	8	280
E280	11/20/89	1450	1507	7.52	----- 3.50	FALLING	NO	89-2372 PC 5%	25.0	5	360
E280	11/20/89	1450	1507	7.52	----- 3.50	FALLING	NO	89-2373 PC 5%	25.0	5	360
E280	12/05/89	1421	1442	7.36	----- 3.60	FALLING	NO	89-2409 CL	20.0	2-4	0
E280	12/05/89	1421	1442	7.36	----- 3.60	FALLING	NO	89-2410 CL	20.0	2-4	0
E290	05/02/89	1508	1523	7.37	----- 2.20	RISING	NO	89-0380 PC 25%	30.0	5	340
E290	05/31/89	1421	1434	7.41	----- 2.40	RISING	NO	89-0502 -----	33.0	CALM	---
E290	05/31/89	1421	1434	7.46	----- 2.40	RISING	NO	89-0503 -----	33.0	CALM	---
E290	06/27/89	1400	1413	6.80	----- 2.50	SLACK-H	NO	89-0580 OC	30.0	CALM	---
E290	06/27/89	1400	1413	6.88	----- 2.50	SLACK-H	NO	89-0581 OC	30.0	CALM	---
E290	05/02/89	1508	1523	7.86	----- 2.20	RISING	NO	89-0379 PC 25%	30.0	5	340
E300	05/31/89	1442	----	7.54	----- 2.20	RISING	NO	89-0504 PC 80%	34.0	2-3	100
E300	05/31/89	1442	----	7.52	----- 2.20	RISING	NO	89-0505 PC 80%	34.0	2-3	100
E300	06/27/89	1423	1433	6.90	----- 2.40	SLACK-H	NO	89-0582 PC 40%	32.0	CALM	---
E300	06/27/89	1423	1433	6.98	----- 2.40	SLACK-H	NO	89-0583 PC 40%	32.0	CALM	---

Myakka River Basin Project
Estuary Station Profile
Dissolved Oxygen In Situ Results
Through December, 1989

Station	Date	Dissolved Oxygen						
		(mg/l)						
		at 0.5 meter depths from the surface						
		0.5	1.0	1.5	2.0	2.5	3.0	3.5

E210	01/17/89	9.00	9.00	8.80	8.40			
E210	02/07/89	6.80	6.70	5.69	6.52			
E210	02/28/89	8.61	8.70	8.72	8.55	8.60		
E210	03/14/89	7.40	7.70	7.76	7.70	7.50		
E210	04/11/89	8.55	8.38	7.65	7.10			
E210	05/02/89	5.53	5.53	5.55	5.38	5.13		
E210	05/31/89	6.45	6.48	6.38	6.40	6.35		
E210	06/27/89	6.28	6.50	5.79	5.70	5.65		
E210	07/11/89	7.13	7.13	7.00	6.88	4.95		
E210	08/08/89	6.78	6.53	3.73	2.58			
E210	08/24/89	5.51	5.50	5.55	5.73	5.03		
E210	09/12/89	6.13	6.05	5.98	5.20	3.08		
E210	10/31/89	5.35	5.18	4.99	4.95			
E210	11/20/89	7.35	7.43	7.53	7.53			
E210	12/05/89	8.60	8.40	8.28	8.08			
E215	09/12/89	6.90	3.70	3.33	3.20			
E220	01/17/89	9.20	9.20	8.80	8.80	8.80		
E220	02/07/89	6.70	6.75	6.65	6.60	6.60		
E220	02/28/89	9.12	9.15	9.10	9.08	9.02	9.00	
E220	03/14/89	7.03	7.10	6.85	6.80	6.60		
E220	04/11/89	6.93	6.69	6.54	6.40			
E220	05/02/89	5.80	5.78	5.78	5.73			
E220	05/31/89	6.35	6.30	6.20	6.20	6.20		
E220	06/27/89	4.98	4.94	4.93	4.88	4.96		
E220	07/11/89	5.66	5.60					
E220	08/08/89	5.34	5.20	4.31				
E220	08/24/89	6.15	6.05	5.67	5.60			
E220	09/12/89	6.47	6.35	5.40	4.26	3.70		
E220	10/31/89	7.60	6.73	6.25				
E220	11/20/89	7.93	7.85	7.80	7.75			
E220	12/05/89	8.92	8.75	8.70				
E230	01/17/89	8.90	8.80	8.80				
E230	02/07/89	6.30	6.28					
E230	02/28/89	10.1	9.90	10.2				
E230	03/14/89	6.65	6.60	6.55	6.75			
E230	04/11/89	7.55	7.55	7.60				
E230	05/02/89	6.38	6.38	6.40				
E230	05/31/89	6.73	6.63	6.60				
E230	06/27/89	4.98	4.85	4.70				
E230	07/11/89	6.13	5.80	5.05				
E230	08/08/89	4.25	1.50	1.20				
E230	08/24/89	5.98	5.56	5.53				
E230	09/12/89	5.25	5.20	5.38				
E230	10/31/89	6.85	6.09					
E230	11/20/89	8.28	7.90					

Myakka River Basin Project
Estuary Station Profile
Dissolved Oxygen In Situ Results
Through December, 1989

Station Date Dissolved Oxygen
(mg/l)
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E230	12/05/89	9.60	9.35				
E232	07/11/89	6.48					
E232	08/08/89	4.57					
E232	09/12/89	4.88	4.73	4.67			
E232	10/31/89	6.44	6.40				
E234	08/08/89	4.34	3.93	0.55			
E234	09/12/89	4.45	4.50	4.53			
E235	01/17/89	8.90	8.80				
E235	08/24/89	5.49	5.55	5.61			
E238	08/24/89	5.13	5.15	5.10			
E238	10/31/89	6.75	6.70				
E240	01/17/89	8.10	7.90	7.80			
E240	02/07/89	6.20	6.20	6.00			
E240	02/28/89	8.85	8.80	8.65			
E240	03/14/89	6.30	6.25	6.35			
E240	04/11/89	7.13	7.00	6.87			
E240	05/02/89	5.80	5.80	5.78			
E240	05/31/89	6.38	6.35	6.23	6.20		
E240	06/27/89	5.53	5.53	5.55	5.38		
E240	07/11/89	5.80	5.78	5.70			
E240	08/08/89	4.00	3.97	3.94			
E240	08/24/89	5.05	4.90	4.89			
E240	09/12/89	4.26	4.20	4.24			
E240	10/31/89	7.13	7.14				
E240	11/20/89	7.70	7.56	7.36			
E240	12/05/89	9.60	9.38				
E250	01/17/89	8.20	8.00	8.00			
E250	02/07/89	5.60	6.78				
E250	02/28/89	8.80	8.90	8.80			
E250	03/14/89	6.38	6.83	7.08	7.05		
E250	04/11/89	6.93	6.87	6.85			
E250	05/02/89	5.96	6.05	5.93			
E250	05/31/89	6.40	6.20	6.20	6.20		
E250	06/27/89	5.60	5.47	5.43	5.31		
E250	07/11/89	5.50	5.45	5.38			
E250	08/08/89	3.80	3.75	3.69			
E250	08/24/89	4.65	4.68	4.61	4.59		
E250	10/31/89	6.90	6.80				
E250	11/20/89	8.53	7.98	7.90			
E250	12/05/89	9.72	9.70				
E255	07/11/89	4.00	3.95	3.98	3.90		
E255	11/20/89	8.25	8.08	7.85	7.70		
E255	12/05/89	9.50	9.45	9.40			
E260	01/17/89	9.30	8.50	8.50			
E260	02/07/89	6.80	6.50	6.60			

Myakka River Basin Project
Estuary Station Profile
Dissolved Oxygen In Situ Results
Through December, 1989

Station Date Dissolved Oxygen
(mg/l)
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E260	02/28/89	8.70	8.60	8.70	8.35			
E260	03/14/89	7.23	6.80	6.68	7.00			
E260	04/11/89	7.47	7.34	6.90				
E260	05/02/89	6.15	5.83	5.68	5.65			
E260	05/31/89	6.78	6.76	6.75	6.78	6.70		
E260	06/27/89	5.33	5.33	5.23	5.16			
E260	07/11/89	3.90	3.98	3.90				
E260	08/08/89	3.68	3.64	3.63				
E260	08/24/89	4.35	4.33	4.32	4.29			
E260	09/12/89	3.98	3.76	3.73	3.71			
E260	10/31/89	6.75	6.76	6.71				
E260	11/20/89	8.58	8.55	8.50				
E260	12/05/89	9.32	9.32	9.20				
E264	02/07/89	7.10	7.00	7.00				
E265	01/17/89	9.80	9.70					
E265	02/28/89	8.90	8.95	9.00				
E265	03/14/89	6.80	6.78	6.85				
E265	11/20/89	8.40	8.33	8.30				
E265	12/05/89	9.75	9.65					
E268	02/07/89	7.40	7.30	7.25	7.30	7.25	7.20	7.20
E270	01/17/89	9.10	9.10	9.00				
E270	02/07/89	7.00	6.90	6.92	6.90			
E270	02/28/89	8.85	8.90	8.90	8.75	8.60		
E270	03/14/89	6.85	6.70	6.85				
E270	04/11/89	7.12	6.98	6.71	6.65			
E270	05/02/89	7.05	6.93	6.93	6.93			
E270	05/31/89	7.08	7.08	6.95	6.95	6.85		
E270	06/27/89	5.05	5.05	5.03	4.85	4.80		
E270	07/11/89	3.35	3.33	3.28	3.23			
E270	08/08/89	3.58	3.54	3.50				
E270	08/24/89	4.07	4.05	4.01	3.99			
E270	09/12/89	3.98	3.78	3.66	3.50	3.48		
E270	10/31/89	6.43	6.40	6.37				
E270	11/20/89	7.85	7.85	7.84	7.70			
E270	12/05/89	8.80	8.80	8.72	8.62			
E274	04/11/89	7.86	7.47	7.50	7.40			
E275	02/28/89	9.05	9.00	8.95				
E275	03/14/89	7.50	7.45	7.40	7.40	7.45	7.35	
E275	05/02/89	7.95	7.90	7.75	7.65			
E276	04/11/89	7.72	7.70	7.31	7.30	7.19		
E280	01/17/89	9.30	9.50	9.30	9.40	9.30	9.10	
E280	02/07/89	7.40	7.20	7.10	7.00	7.05	7.00	
E280	02/28/89	8.30	8.20	8.10	7.90	7.95	7.95	
E280	03/14/89	8.65	9.05	8.88	8.80	8.88	8.63	8.65
E280	04/11/89	7.31	6.95	6.71	6.80	6.75	6.61	6.60

Myakka River Basin Project
Estuary Station Profile
Dissolved Oxygen In Situ Results
Through December, 1989

Station	Date	Dissolved Oxygen (mg/l)						
		at 0.5 meter depths from the surface						
		0.5	1.0	1.5	2.0	2.5	3.0	3.5
E280	05/02/89	8.08	7.95	7.63	7.43	7.13	7.13	
E280	05/31/89	7.50	7.50	7.50	7.45	7.35	7.40	7.40
E280	06/27/89	5.58	5.50	5.25	5.14	5.17		
E280	07/11/89	2.88	2.88	2.80	2.80			
E280	08/08/89	3.44	3.41	3.39	3.35	3.31		
E280	08/24/89	3.88	3.83	3.85	3.83	3.83	3.79	3.72
E280	09/12/89	3.74	3.70	3.61	3.53	3.49	3.49	
E280	10/31/89	6.33	6.33	6.33	6.30	6.30		
E280	11/20/89	6.70	6.68	6.65	6.70	6.73	6.68	
E280	12/05/89	7.85	7.88	7.88	7.82	7.86	7.80	
E290	05/02/89	8.53	8.42	8.38	8.35			
E290	05/31/89	6.40	6.48	6.60	6.50			
E290	06/27/89	6.23	5.85	5.55				
E300	05/31/89	6.63	6.55	6.50	6.50			
E300	06/27/89	6.78	6.28	5.83				

Myakka River Basin Project
Estuary Station Profile
Temperature In Situ Results
Through December, 1989

Station Date Temperature,
degrees C
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E210	01/17/89	22.0	22.0	22.0	22.0		
E210	02/07/89	24.0	24.0	24.0	24.0		
E210	02/28/89	19.0	18.0	18.0	17.9	17.9	
E210	03/14/89	20.5	20.0	19.8	19.7	19.5	
E210	04/11/89	26.0	25.8	25.5	25.5		
E210	05/02/89	27.0	26.9	26.5	26.5	26.5	
E210	05/31/89	29.3	29.5	29.5	29.5	29.5	
E210	06/27/89	30.1	30.2	31.0	31.0	31.0	
E210	07/11/89	32.0	32.0	32.0	32.0	32.0	
E210	08/08/89	32.0	31.8	31.0	30.5		
E210	08/24/89	29.5	29.5	29.5	29.5	30.0	
E210	09/12/89	30.0	30.0	30.0	30.0	30.0	
E210	10/31/89	23.8	23.5	23.5	23.5		
E210	11/20/89	20.0	20.0	20.0	20.0		
E210	12/05/89	17.0	17.0	17.0	17.0		
E215	09/12/89	29.5	30.0	30.0	30.1		
E220	01/17/89	23.0	23.0	23.0	23.0	23.0	
E220	02/07/89	24.5	24.5	24.5	24.8	24.8	
E220	02/28/89	18.8	18.5	18.5	18.0	18.0	18.0
E220	03/14/89	21.0	20.5	20.5	20.3	20.4	
E220	04/11/89	26.0	26.0	26.0	26.1		
E220	05/02/89	26.5	26.5	26.5	26.5		
E220	05/31/89	29.9	29.9	29.9	29.9	29.9	
E220	06/27/89	30.1	30.1	30.2	30.2	30.5	
E220	07/11/89	33.0	32.0				
E220	08/08/89	32.5	32.5	33.0			
E220	08/24/89	30.0	30.0	30.0	30.0		
E220	09/12/89	30.0	30.0	30.0	30.0	30.0	
E220	10/31/89	24.0	24.0	24.0			
E220	11/20/89	20.3	20.5	20.5	20.5		
E220	12/05/89	17.0	17.0	17.0			
E230	01/17/89	23.0	24.0	24.0			
E230	02/07/89	26.0	25.8				
E230	02/28/89	18.8	18.5	18.0			
E230	03/14/89	21.5	21.5	21.5	21.5		
E230	04/11/89	27.0	26.9	27.0			
E230	05/02/89	27.0	27.0	27.0			
E230	05/31/89	28.5	28.5	28.5			
E230	06/27/89	32.0	32.0	32.0			
E230	07/11/89	32.0	32.0	32.0			
E230	08/08/89	33.0	32.0	32.0			
E230	08/24/89	31.0	31.0	31.0			
E230	09/12/89	30.8	30.8	30.5			
E230	10/31/89	24.0	24.0				
E230	11/20/89	20.5	20.2				

Myakka River Basin Project
Estuary Station Profile
Temperature In Situ Results
Through December, 1989

Station	Date	Temperature, degrees C					
		at 0.5 meter depths from the surface					
		0.5	1.0	1.5	2.0	2.5	3.0 3.5
E230	12/05/89	16.5	16.2				
E232	07/11/89	32.0					
E232	08/08/89	32.0					
E232	09/12/89	30.0	30.1	30.1			
E232	10/31/89	24.0	24.0				
E234	08/08/89	33.0	33.0	32.0			
E234	09/12/89	30.1	30.0	30.0			
E235	01/17/89	24.0	24.0				
E235	08/24/89	30.5	30.5	30.5			
E238	08/24/89	30.5	30.0	30.0			
E238	10/31/89	24.8	24.8				
E240	01/17/89	23.0	23.0	23.0			
E240	02/07/89	26.0	26.0	26.0			
E240	02/28/89	19.0	18.0	18.0			
E240	03/14/89	21.5	21.5	21.5			
E240	04/11/89	26.6	26.7	26.6			
E240	05/02/89	27.8	27.8	27.5			
E240	05/31/89	28.5	28.5	28.5	28.5		
E240	06/27/89	31.5	31.5	31.8	31.8		
E240	07/11/89	32.0	32.0	32.0			
E240	08/08/89	33.0	32.5	32.5			
E240	08/24/89	31.0	31.0	31.0			
E240	09/12/89	30.0	30.0	30.0			
E240	10/31/89	24.8	24.8				
E240	11/20/89	21.5	21.0	21.0			
E240	12/05/89	17.0	17.0				
E250	01/17/89	24.0	24.0	24.0			
E250	02/07/89	26.0	26.0				
E250	02/28/89	20.0	19.0	18.2			
E250	03/14/89	22.0	22.0	22.0	21.9		
E250	04/11/89	27.3	27.0	27.0			
E250	05/02/89	27.5	27.5	27.5			
E250	05/31/89	28.5	28.5	28.5	28.5		
E250	06/27/89	32.0	32.0	32.0	32.0		
E250	07/11/89	32.0	32.0	32.0			
E250	08/08/89	32.0	32.0	32.0			
E250	08/24/89	31.5	31.5	31.5	31.5		
E250	10/31/89	25.0	24.8				
E250	11/20/89	22.5	21.9	21.8			
E250	12/05/89	17.8	17.5				
E255	07/11/89	32.0	32.0	32.0	32.0		
E255	11/20/89	22.5	22.0	22.0	22.0		
E255	12/05/89	18.0	18.0	18.0			
E250	01/17/89	24.5	24.0	24.0			
E250	02/07/89	26.0	26.0	26.0			

Myakka River Basin Project
Estuary Station Profile
Temperature In Situ Results
Through December, 1989

Station	Date	Temperature, degrees C						
		at 0.5 meter depths from the surface						
		0.5	1.0	1.5	2.0	2.5	3.0	3.5
E260	02/28/89	20.5	20.0	19.5	19.0			
E260	03/14/89	22.2	22.2	22.0	22.0			
E260	04/11/89	28.2	27.3	27.1				
E260	05/02/89	28.0	28.0	28.0	28.0			
E260	05/31/89	29.0	29.0	29.0	29.0	29.0		
E260	06/27/89	31.7	31.5	31.5	31.5			
E260	07/11/89	32.0	32.0	32.0				
E260	08/08/89	32.0	32.0	32.0				
E260	08/24/89	31.0	31.0	31.0	31.0			
E260	09/12/89	30.1	30.0	29.9	29.9			
E260	10/31/89	25.0	25.0	25.0				
E260	11/20/89	22.5	22.5	22.5				
E260	12/05/89	18.0	18.0	18.0				
E264	02/07/89	26.5	26.5	26.5				
E265	01/17/89	24.0	24.5					
E265	02/28/89	20.0	20.0	20.0				
E265	03/14/89	23.0	23.0	22.9				
E265	11/20/89	22.5	22.5	22.5				
E265	12/05/89	18.0	18.0					
E268	02/07/89	26.5	26.5	26.5	26.5	26.5	26.5	26.5
E270	01/17/89	24.0	24.2	24.2				
E270	02/07/89	26.0	26.0	26.0	26.0			
E270	02/28/89	19.5	19.2	19.5	18.5	18.5		
E270	03/14/89	22.5	22.5	22.5				
E270	04/11/89	27.8	27.6	27.6	27.6			
E270	05/02/89	29.0	29.0	29.0	29.0			
E270	05/31/89	30.0	29.8	29.5	29.2	29.2		
E270	06/27/89	31.0	31.0	31.0	31.0	31.0		
E270	07/11/89	32.0	32.0	32.0	32.0			
E270	08/08/89	31.5	31.5	31.5				
E270	08/24/89	30.0	30.0	30.0	30.0			
E270	09/12/89	31.0	30.0	29.7	29.0	29.0		
E270	10/31/89	25.0	25.0	25.0				
E270	11/20/89	22.5	22.5	22.2	22.2			
E270	12/05/89	17.5	17.5	17.5	17.5			
E274	04/11/89	28.2	28.0	28.0	28.0			
E275	02/28/89	20.0	19.5	19.0				
E275	03/14/89	22.5	22.5	22.5	22.5	22.5	22.5	
E275	05/02/89	29.0	29.0	29.0	29.0			
E276	04/11/89	28.1	27.7	27.3	27.3	27.2		
E280	01/17/89	23.5	23.0	23.0	22.8	22.8	22.5	
E280	02/07/89	25.5	25.5	25.5	24.5	24.5	24.5	
E280	02/28/89	19.0	18.5	18.0	18.0	17.8	18.0	
E280	03/14/89	21.9	21.5	21.0	21.0	21.0	21.0	21.0
E280	04/11/89	27.6	27.0	26.8	26.4	26.4	26.4	25.9

Myakka River Basin Project
Estuary Station Profile
Temperature In Situ Results
Through December, 1989

Station	Date	Temperature, degrees C						
		at 0.5 meter depths from the surface						
		0.5	1.0	1.5	2.0	2.5	3.0	3.5
E280	05/02/89	29.0	29.0	28.8	28.5	28.0	28.0	
E280	05/31/89	30.0	30.0	30.0	29.5	29.5	29.5	30.0
E280	06/27/89	30.0	30.0	30.0	30.0	30.0		
E280	07/11/89	32.0	32.0	32.0	32.0			
E280	08/08/89	31.0	31.0	31.0	31.0	31.0		
E280	08/24/89	31.0	31.0	30.0	30.0	30.0	30.0	30.0
E280	09/12/89	30.3	30.1	30.0	29.8	29.2	29.2	
E280	10/31/89	24.7	24.5	24.5	24.5	24.5		
E280	11/20/89	21.7	21.5	21.5	21.5	21.5	21.5	
E280	12/05/89	17.6	17.6	17.6	17.8	17.9	17.9	
E290	05/02/89	28.5	28.5	28.5	28.5			
E290	05/31/89	30.0	30.0	30.0	30.0			
E290	06/27/89	31.0	31.0	31.0				
E300	05/31/89	29.5	29.5	29.5	29.5			
E300	06/27/89	31.0	31.0	31.0				

Myakka River Basin Project
Estuary Station Profile
Conductivity In Situ Results
Through December, 1989

Station Date Conductivity,
umhos/cm
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E210	01/17/89	38700	38700	39000	39200		
E210	02/07/89	39000	39000	39000	39000		
E210	02/28/89	34800	34200	34200	34300	34500	
E210	03/14/89	33600	33600	33600	33650	32000	
E210	04/11/89	37500	38000	39900	40800		
E210	05/02/89	44000	44000	44100	45000	45100	
E210	05/31/89	48000	48000	48000	48000	48000	
E210	06/27/89	43000	44750	47800	47900	47900	
E210	07/11/89	40800	40150	39950	39950	41000	
E210	08/08/89	33050	35950	40450	43050		
E210	08/24/89	31150	31150	31350	32100	33100	
E210	09/12/89	33900	33900	33900	34100	35600	
E210	10/31/89	33450	35050	35150	35900		
E210	11/20/89	33500	33500	33500	33800		
E210	12/05/89	33650	33850	33950	34000		
E215	09/12/89	24900	33000	33500	33700		
E220	01/17/89	32000	32000	32000	32000	32100	
E220	02/07/89	33000	33000	34000	34000	34000	
E220	02/28/89	31800	31900	31900	31900	31800	31900
E220	03/14/89	34500	34500	34500	34500	34500	
E220	04/11/89	36000	35950	36050	37000		
E220	05/02/89	38500	38500	38500	38500		
E220	05/31/89	44100	44100	44100	44100	44100	
E220	06/27/89	39900	39900	39900	39900	39900	
E220	07/11/89	34950	34900				
E220	08/08/89	23850	23850	24200			
E220	08/24/89	18250	18300	18900	19000		
E220	09/12/89	22100	22150	23900	25150	26500	
E220	10/31/89	20400	22250	24100			
E220	11/20/89	24550	25100	25750	26000		
E220	12/05/89	26150	27150	27500			
E230	01/17/89	28000	28100	28100			
E230	02/07/89	27800	27800				
E230	02/28/89	28000	28000	28100			
E230	03/14/89	30900	30900	30900	30900		
E230	04/11/89	33500	33400	33350			
E230	05/02/89	34500	34650	34650			
E230	05/31/89	41500	41550	41500			
E230	06/27/89	37850	37850	37900			
E230	07/11/89	25300	26800	27500			
E230	08/08/89	10100	24650	26250			
E230	08/24/89	16100	17850	17900			
E230	09/12/89	13850	14000	13900			
E230	10/31/89	15200	19800				
E230	11/20/89	20200	22100				

Myakka River Basin Project
Estuary Station Profile
Conductivity In Situ Results
Through December, 1989

Station Date Conductivity,
umhos/cm
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E230	12/05/89	21200	22000				
E232	07/11/89	18450					
E232	08/08/89	6100					
E232	09/12/89	9150	9100	9100			
E232	10/31/89	10950	12200				
E234	08/08/89	2780	6100	23000			
E234	09/12/89	3375	3650	4305			
E235	01/17/89	24900	27000				
E235	08/24/89	11650	12150	12900			
E238	08/24/89	8050	8900	8900			
E238	10/31/89	6100	6100				
E240	01/17/89	18500	18500	18500			
E240	02/07/89	17200	17200	17200			
E240	02/28/89	21900	21900	22100			
E240	03/14/89	24100	24050	24100			
E240	04/11/89	26100	26100	26100			
E240	05/02/89	29000	29000	29100			
E240	05/31/89	36100	36050	36000	36000		
E240	06/27/89	31900	31950	31900	31900		
E240	07/11/89	4825	4810	4805			
E240	08/08/89	1395	1400	1405			
E240	08/24/89	4850	6400	6900			
E240	09/12/89	2505	2550	2515			
E240	10/31/89	3695	3835				
E240	11/20/89	12550	13050	13200			
E240	12/05/89	15000	15100				
E250	01/17/89	14500	14500	14500			
E250	02/07/89	12800	13000				
E250	02/28/89	17200	17300	17200			
E250	03/14/89	19150	19100	19200	19200		
E250	04/11/89	22200	22200	22200			
E250	05/02/89	25800	25850	25600			
E250	05/31/89	34650	34500	34500	34500		
E250	06/27/89	28350	28350	28350	28350		
E250	07/11/89	815	810	810			
E250	08/08/89	422	419	417			
E250	08/24/89	1800	1800	1795	1800		
E250	10/31/89	1590	1820				
E250	11/20/89	9200	9900	9900			
E250	12/05/89	9200	10500				
E255	07/11/89	540	550	550	550		
E255	11/20/89	6000	6200	6950	7500		
E255	12/05/89	6200	6200	6500			
E260	01/17/89	6500	7000	7000			
E260	02/07/89	9200	9200	9800			

Myakka River Basin Project
Estuary Station Profile
Conductivity In Situ Results
Through December, 1989

Station Date Conductivity,
umhos/cm
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E260	02/28/89	13500	13500	13800	13900		
E260	03/14/89	12900	13050	13100	13100		
E260	04/11/89	17300	18000	18100			
E260	05/02/89	20650	20750	21150	21200		
E260	05/31/89	31800	31800	31800	31800	31800	
E260	06/27/89	27200	27200	27200	27200		
E260	07/11/89	505	550	580			
E260	08/08/89	290	299	300			
E260	08/24/89	905	915	920	920		
E260	09/12/89	515	510	530	515		
E260	10/31/89	340	344	347			
E260	11/20/89	2920	2970	2990			
E260	12/05/89	3960	3960	4000			
E264	02/07/89	4300	4300	4320			
E265	01/17/89	4080	4110				
E265	02/28/89	11500	11500	11500			
E265	03/14/89	8100	8150	8500			
E265	11/20/89	950	965	980			
E265	12/05/89	1290	1290				
E268	02/07/89	2590	2600	2650	2700	2720	2810 2820
E270	01/17/89	1040	1120	1150			
E270	02/07/89	1100	1100	1020	1010		
E270	02/28/89	8000	8000	8100	8100	8100	
E270	03/14/89	5000	5100	5150			
E270	04/11/89	10500	11000	11050	11150		
E270	05/02/89	11900	11900	11900	12000		
E270	05/31/89	26700	27600	27800	27900	28000	
E270	06/27/89	26000	26000	26050	26100	26100	
E270	07/11/89	425	425	423	423		
E270	08/08/89	252	252	252			
E270	08/24/89	264	264	265	268		
E270	09/12/89	221	220	216	215	215	
E270	10/31/89	252	252	252			
E270	11/20/89	439	435	435	435		
E270	12/05/89	5.35	565	565	580		
E274	04/11/89	7600	8200	8150	8100		
E275	02/28/89	4350	4350	4400			
E275	03/14/89	2145	2250	2250	2320	2330	2380
E275	05/02/89	5210	5950	5950	6100		
E276	04/11/89	3210	3280	3650	3710	3570	
E280	01/17/89	301	298	298	298	298	298
E280	02/07/89	285	285	285	282	285	282
E280	02/28/89	710	790	850	990	1080	1080
E280	03/14/89	418	415	415	409	410	409 410
E280	04/11/89	950	1040	1090	1120	1120	1120 1115

Myakka River Basin Project
Estuary Station Profile
Conductivity In Situ Results
Through December, 1989

Station Date Conductivity,
umhos/cm
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E280	05/02/89	1545	1605	1580	1625	1630	1635	
E280	05/31/89	16100	16200	16500	16600	16600	16500	16500
E280	06/27/89	20100	20350	20500	20500	20800		
E280	07/11/89	390	389	389	388			
E280	08/08/89	237	235	234	234	232		
E280	08/24/89	224	221	221	221	222	222	222
E280	09/12/89	191	191	190	189	189	189	
E280	10/31/89	231	231	231	231	232		
E280	11/20/89	289	287	288	288	287	286	
E280	12/05/89	287	285	285	285	285	287	
E290	05/02/89	710	710	705	705			
E290	05/31/89	8900	8700	9050	9100			
E290	06/27/89	14050	14800	14800				
E300	05/31/89	3120	3135	3135	3180			
E300	06/27/89	8950	9000	9000				

Myakka River Basin Project
Estuary Site Profile
Salinity In Situ Results
Through December, 1989

Station Date Salinity,
o/oo
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E210	01/17/89	25.8	25.8	26.0	26.1		
E210	02/07/89	25.0	25.0	24.9	24.9		
E210	02/28/89	25.0	25.2	25.2	25.5	25.5	
E210	03/14/89	25.2	25.3	25.6	25.7	26.5	
E210	04/11/89	24.1	24.5	24.9	25.2		
E210	05/02/89	27.6	27.6	27.8	28.8	28.9	
E210	05/31/89	27.9	27.9	27.9	27.9	27.9	
E210	06/27/89	24.5	26.4	27.5	27.5	27.5	
E210	07/11/89	22.5	22.2	22.0	22.0	23.4	
E210	08/08/89	17.5	19.8	22.4	24.5		
E210	08/24/89	17.4	17.4	17.4	17.9	18.5	
E210	09/12/89	19.9	19.9	20.0	20.1	21.6	
E210	10/31/89	21.4	22.8	23.0	23.0		
E210	11/20/89	23.0	23.0	23.0	23.0		
E210	12/05/89	25.2	25.3	25.5	25.8		
E215	09/12/89	13.6	18.5	18.9	18.9		
E220	01/17/89	20.5	20.8	20.8	20.9	20.9	
E220	02/07/89	20.8	20.9	21.5	21.2	21.2	
E220	02/28/89	22.5	22.8	22.9	23.1	23.1	23.1
E220	03/14/89	23.5	23.8	23.7	23.7	23.9	
E220	04/11/89	22.1	22.1	22.1	22.2		
E220	05/02/89	23.3	23.2	23.2	23.2		
E220	05/31/89	26.1	26.1	26.1	26.1	26.1	
E220	06/27/89	23.0	23.0	23.1	23.0	23.0	
E220	07/11/89	19.1	19.2				
E220	08/08/89	12.8	12.9	13.0			
E220	08/24/89	9.5	9.7	10.0	10.1		
E220	09/12/89	12.0	12.1	13.0	14.0	14.6	
E220	10/31/89	12.8	13.9	15.0			
E220	11/20/89	16.4	16.0	17.3	17.6		
E220	12/05/89	19.5	20.1	20.2			
E230	01/17/89	18.0	17.8	17.9			
E230	02/07/89	16.5	16.8				
E230	02/28/89	20.0	20.0	20.1			
E230	03/14/89	20.5	20.5	20.5	20.4		
E230	04/11/89	20.1	20.1	20.0			
E230	05/02/89	20.9	20.9	20.9			
E230	05/31/89	24.9	24.9	24.9			
E230	06/27/89	20.3	20.3	20.4			
E230	07/11/89	13.6	14.5	14.9			
E230	08/08/89	5.2	12.9	13.8			
E230	08/24/89	8.3	9.2	9.2			
E230	09/12/89	7.2	7.4	7.4			
E230	10/31/89	9.8	12.0				
E230	11/20/89	13.7	14.8				

Myakka River Basin Project
Estuary Site Profile
Salinity In Situ Results
Through December, 1989

Station Date Salinity,
o/oo
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E230	12/05/89	15.8	16.2				
E232	07/11/89	9.8					
E232	08/08/89	2.8					
E232	09/12/89	5.0	5.0	5.0			
E232	10/31/89	6.4	7.2				
E234	08/08/89	1.8	2.5	12.1			
E234	09/12/89	2.1	2.2	2.6			
E235	01/17/89	15.1	16.9				
E235	08/24/89	6.0	6.3	6.8			
E238	08/24/89	4.1	4.8	4.8			
E238	10/31/89	3.8	3.8				
E240	01/17/89	11.2	11.2	11.2			
E240	02/07/89	10.0	10.0	10.1			
E240	02/28/89	15.0	15.1	15.8			
E240	03/14/89	16.0	16.0	16.0			
E240	04/11/89	15.7	15.8	15.7			
E240	05/02/89	17.1	17.0	17.1			
E240	05/31/89	21.5	21.2	21.2	21.1		
E240	06/27/89	17.3	17.3	17.5	17.5		
E240	07/11/89	3.0	3.0	3.0			
E240	08/08/89	1.0	1.0	1.0			
E240	08/24/89	2.5	3.3	3.5			
E240	09/12/89	1.5	1.6	1.50			
E240	10/31/89	2.2	2.2				
E240	11/20/89	8.0	8.3	8.7			
E240	12/05/89	10.8	11.0				
E250	01/17/89	8.6	8.9	8.8			
E250	02/07/89	7.2	7.5				
E250	02/28/89	11.9	12.0	12.0			
E250	03/14/89	12.2	12.2	12.5	12.4		
E250	04/11/89	13.2	13.1	13.1			
E250	05/02/89	15.0	15.0	15.1			
E250	05/31/89	20.1	20.0	20.0	20.0		
E250	06/27/89	15.1	15.1	15.1	15.1		
E250	07/11/89	0.5	0.5	0.5			
E250	08/08/89	0.2	0.2	0.2			
E250	08/24/89	0.9	1.0	1.0	1.0		
E250	10/31/89	1.0	1.1				
E250	11/20/89	5.9	6.1	6.1			
E250	12/05/89	6.4	7.2				
E255	07/11/89	0.1	0.1	0.1	0.1		
E255	11/20/89	4.0	4.0	4.2	4.8		
E255	12/05/89	4.3	4.2	4.5			
E260	01/17/89	4.0	4.0	4.2			
E260	02/07/89	5.2	5.5	5.5			

Myakka River Basin Project
Estuary Site Profile
Salinity In Situ Results
Through December, 1989

Station Date Salinity,
o/oo
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E260	02/28/89	9.1	9.0	9.1	9.2		
E260	03/14/89	8.0	8.2	8.2	8.2		
E260	04/11/89	10.1	10.3	10.6			
E260	05/02/89	11.7	11.8	12.1	12.1		
E260	05/31/89	18.1	18.1	18.1	18.1	18.1	
E260	06/27/89	14.9	14.9	14.9	14.9		
E260	07/11/89	0.3	0.7	0.8			
E260	08/08/89	0.1	0.1	0.1			
E260	08/24/89	0.2	0.2	0.2	0.2		
E260	09/12/89	0.45	0.4	0.50	0.40		
E260	10/31/89	0.1	0.1	0.1			
E260	11/20/89	2.0	2.0	2.0			
E260	12/05/89	2.8	2.9	2.9			
E264	02/07/89	2.5	2.5	2.5			
E265	01/17/89	2.5	2.5				
E265	02/28/89	7.5	7.5	7.5			
E265	03/14/89	5.0	5.0	5.1			
E265	11/20/89	0.9	0.9	0.9			
E265	12/05/89	1.0	1.0				
E268	02/07/89	1.1	1.2	1.5	1.5	1.5	1.5
E270	01/17/89	0.6	0.7	0.8			
E270	02/07/89	0.5	0.5	0.5	0.5		
E270	02/28/89	5.1	5.1	5.5	5.5	5.5	
E270	03/14/89	3.0	3.2	3.2			
E270	04/11/89	6.1	6.3	6.4	6.4		
E270	05/02/89	6.3	6.3	6.4	6.6		
E270	05/31/89	15.1	15.2	15.5	15.5	15.6	
E270	06/27/89	14.1	14.1	14.2	14.2	14.2	
E270	07/11/89	0.0	0.0	0.0	0.0		
E270	08/08/89	0.1	0.1	0.1			
E270	08/24/89	0.0	0.0	0.0	0.0		
E270	09/12/89	0.2	0.2	0.2	0.2	0.2	
E270	10/31/89	0.1	0.1	0.1			
E270	11/20/89	0.4	0.4	0.4	0.4		
E270	12/05/89	0.4	0.4	0.4	0.4		
E274	04/11/89	4.4	4.9	4.9	4.9		
E275	02/28/89	2.5	2.5	2.5			
E275	03/14/89	1.3	1.4	1.5	1.5	1.5	1.5
E275	05/02/89	3.1	3.2	3.2	3.2		
E276	04/11/89	2.1	2.1	2.3	2.3	2.2	
E280	01/17/89	0.0	0.0	0.0	0.0	0.0	0.0
E280	02/07/89	0.0	0.0	0.0	0.0	0.0	0.0
E280	02/28/89	0.1	0.1	0.2	0.5	0.5	0.5
E280	03/14/89	0.1	0.1	0.1	0.1	0.1	0.1
E280	04/11/89	0.9	0.9	0.9	1.0	1.0	1.0

Myakka River Basin Project
Estuary Site Profile
Salinity In Situ Results
Through December, 1989

Station Date Salinity,
o/oo
at 0.5 meter depths from the surface
0.5 1.0 1.5 2.0 2.5 3.0 3.5

E280	05/02/89	1.1	1.1	1.2	1.2	1.2	1.2	
E280	05/31/89	8.8	8.9	8.9	9.0	9.0	9.0	9.0
E280	06/27/89	11.0	11.1	11.1	11.1	11.1		
E280	07/11/89	0.0	0.0	0.0	0.0			
E280	08/08/89	0.1	0.1	0.1	0.1	0.1		
E280	08/24/89	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E280	09/12/89	0.1	0.1	0.1	0.1	0.1	0.1	
E280	10/31/89	0.1	0.1	0.1	0.1	0.1		
E280	11/20/89	0.1	0.1	0.1	0.1	0.1	0.1	
E280	12/05/89	0.1	0.1	0.1	0.1	0.1	0.1	
E290	05/02/89	0.9	0.9	0.9	0.9			
E290	05/31/89	4.9	4.9	5.0	5.0			
E290	06/27/89	7.5	7.8	7.9				
E300	05/31/89	2.0	2.0	2.0	2.0			
E300	06/27/89	4.7	4.8	4.8				

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
E210	89-0050	01/17/89	3.2	0.005	0.008	0.003	1.1	0.123	6.0	0.2648	0.0184
E210	89-0186	01/17/89	3.3	<0.005	<0.005	0.003	0.3	0.121	5.7	0.1740	0.0152
E210	89-0092	02/07/89	7.6	0.024	0.009	0.036	4.3	0.072	6.8	0.9640	0.0952
E210	89-0093	02/07/89	6.3	0.017	0.006	0.033	2.8	0.073	6.3	0.8684	0.0892
E210	89-0128	02/28/89	9.5	<0.005	0.008	0.017	2.6	0.065	5.0	0.6536	0.0540
E210	89-0129	02/28/89	10.0	0.011	0.009	0.016	2.3	0.067	5.7	0.5888	0.0488
E210	89-0291	03/14/89	6.3	0.014	<0.005	0.010	1.4	0.064	4.5	0.3964	0.0436
E210	89-0292	03/14/89	3.6	<0.005	<0.005	0.011	1.4	0.065	3.8	0.4200	0.0452
E210	89-0327	04/11/89	7.4	0.011	0.010	0.024	2.8	0.080	4.5	0.6284	0.0708
E210	89-0328	04/11/89	6.5	0.007	0.010	0.025	2.7	0.081	4.3	0.6576	0.0740
E210	89-0363	05/02/89	14.5	<0.005	<0.005	0.057	6.2	0.078	4.8	1.4064	0.1792
E210	89-0364	05/02/89	12.6	<0.005	<0.005	0.058	5.8	0.077	5.1	1.2452	0.1692
E210	89-0486	05/31/89	11.7	0.014	<0.005	0.008	5.2	0.081	4.9	0.9072	0.2940
E210	89-0487	05/31/89	13.3	0.010	<0.005	0.008	4.3	0.081	4.6	0.9212	0.3040
E210	89-0566	06/27/89	7.2	<0.005	<0.005	0.013	1.5	0.084	5.1	0.3408	0.0844
E210	89-0567	06/27/89	7.9	<0.005	<0.005	0.016	1.4	0.086	5.1	0.3344	0.0804
E210	89-0600	07/11/89	5.3	<0.005	<0.005	0.015	1.7	0.170	8.2	0.5104	0.0712
E210	89-0601	07/11/89	7.2	<0.005	<0.005	0.013	1.9	0.170	6.5	0.5656	0.0684
E210	89-1708	08/08/89	7.6	0.010	<0.005	0.031	4.1	0.196	11.2		
E210	89-1709	08/08/89	6.6	<0.005	<0.005	0.023	4.0	0.192	11.1		
E210	89-1710	08/08/89	4.6	0.005	<0.005	0.017	2.0	0.159	7.7		
E210	89-1711	08/08/89	0.7	0.012	<0.005	0.016	2.1	0.161	7.1		
E220	89-0051	01/17/89	3.4	<0.005	<0.005	0.009	1.1	0.136	8.9	0.5172	0.0516
E220	89-0187	01/17/89	5.3	<0.005	<0.005	0.010	1.8	0.135	8.2	0.5460	0.0520
E220	89-0094	02/07/89	4.5	0.021	0.007	0.013	1.2	0.089	3.2	0.3732	0.0468
E220	89-0095	02/07/89	3.6	0.027	0.008	0.013	1.5	0.089	7.9	0.4060	0.0460
E220	89-0225	02/28/89	8.3	0.005	0.007	0.013	2.3	0.083	6.0	1.1460	0.0792
E220	89-0226	02/28/89	7.1	<0.005	0.007	0.013	2.7	0.082	6.1	0.6392	0.0612
E220	89-0293	03/14/89	16.3	<0.005	<0.005	0.067	7.6	0.075	4.4	1.6204	0.1664
E220	89-0294	03/14/89	16.0	<0.005	<0.005	0.070	7.4	0.071	4.4	1.4576	0.1584
E220	89-0329	04/11/89	33.6	0.025	0.010	0.123	14.2	0.103	6.4	2.2804	0.2584
E220	89-0330	04/11/89	30.8	0.021	0.010	0.125	12.3	0.105	5.5	2.6976	0.2988
E220	89-0365	05/02/89	6.9	0.034	<0.005	0.022	2.1	0.099	7.2	0.5352	0.0776
E220	89-0366	05/02/89	5.7	0.029	<0.005	0.024	2.3	0.096	6.9	0.5132	0.0576
E220	89-0488	05/31/89	25.6	0.015	<0.005	0.008	9.7	0.080	7.0	2.6208	0.3136
E220	89-0489	05/31/89	25.9	0.010	<0.005	0.008	10.4	0.080	6.5	2.5105	0.3105
E220	89-0564	06/27/89	9.6	<0.005	<0.005	0.044	3.7	0.110	6.7	0.7308	0.1828
E220	89-0565	06/27/89	11.2	<0.005	<0.005	0.043	3.5	0.110	7.1	0.7028	0.1752
E220	89-0602	07/11/89	9.6	0.005	<0.005	0.041	4.7	0.160	8.6	1.1116	0.1388
E220	89-0603	07/11/89	10.1	<0.005	<0.005	0.044	4.4	0.159	9.7	1.2600	0.1692
E220	89-1712	08/08/89	7.1	0.005	0.015	0.034	3.3	0.276	14.5		
E220	89-1713	08/08/89	5.8	0.007	0.017	0.034	3.7	0.276	14.1		
E230	89-0052	01/17/89	4.4	<0.005	<0.005	0.011	2.1	0.145	9.3	0.6256	0.0712
E230	89-0188	01/17/89	3.8	<0.005	<0.005	0.010	1.8	0.138	9.9	0.7428	0.0660
E230	89-0096	02/07/89	3.9	0.020	0.009	0.012	1.3	0.101	10.0	0.3580	0.0444
E230	89-0097	02/07/89	3.2	0.037	0.009	0.009	1.5	0.102	10.2	0.3444	0.0388
E230	89-0227	02/28/89	5.6	0.015	0.009	0.010	1.0	0.097	7.6	0.5584	0.0524

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
E230	89-0228	02/28/89	5.7	0.013	0.008	0.010	2.2	0.097	8.9	0.6208	0.0568
E230	89-0295	03/14/89	6.4	0.010	<0.005	0.013	1.9	0.087	5.5	0.4228	0.0496
E230	89-0296	03/14/89	5.4	<0.005	<0.005	0.013	1.3	0.090	5.3	0.4744	0.0432
E230	89-0331	04/11/89	10.4	0.018	0.009	0.039	3.5	0.119	7.2	0.9903	0.1048
E230	89-0332	04/11/89	12.6	0.024	0.010	0.047	4.3	0.116	6.2	1.1348	0.1234
E230	89-0367	05/02/89	10.6	<0.005	<0.005	0.039	4.1	0.109	9.1	1.0476	0.1344
E230	89-0368	05/02/89	14.9	<0.005	<0.005	0.040	4.1	0.109	8.8	1.1004	0.1432
E230	89-0490	05/31/89	17.4	<0.005	<0.005	0.012	8.0	0.119	7.8	0.9516	0.3608
E230	89-0491	05/31/89	18.6	0.014	<0.005	0.012	7.2	0.117	6.9	1.2456	0.4472
E230	89-0568	06/27/89	11.5	<0.005	<0.005	0.060	5.6	0.117	6.7	0.8952	0.2336
E230	89-0569	06/27/89	11.9	<0.005	<0.005	0.074	6.1	0.117	7.3	1.1280	0.3032
E230	89-0604	07/11/89	5.9	0.007	<0.005	0.031	3.6	0.189	11.7	1.1764	0.1444
E230	89-0605	07/11/89	5.2	0.009	<0.005	0.026	3.5	0.199	11.3	0.9896	0.1132
E230	89-1714	08/08/89	4.6	0.099	0.063	0.024	3.3	0.335	20.1		
E230	89-1715	08/08/89	3.0	0.076	0.367	0.022	3.0	0.336	22.3		
E230	89-1716	08/08/89	4.2	0.078	0.047	0.023	2.9	0.322	16.1		
E230	89-1717	08/08/89	4.7	0.081	0.034	0.026	2.9	0.309	14.9		
E232	89-0608	07/11/89	6.1	0.012	<0.005	0.034	4.0	0.221	13.4	1.4064	0.1524
E232	89-0609	07/11/89	7.3	0.010	<0.005	0.045	3.9	0.221	13.5	1.7084	0.2092
E232	89-1722	08/08/89	3.2	0.113	0.077	0.020	3.0	0.355	22.6		
E232	89-1723	08/08/89	2.6	0.090	0.076	0.020	3.0	0.352	24.8		
E234	89-1724	08/08/89	2.6	0.086	0.081	0.019	2.7	0.363	21.7		
E234	89-1725	08/08/89	2.4	0.081	0.081	0.019	3.0	0.364	22.8		
E235	89-0054	01/17/89	3.2	<0.005	<0.005	0.010	1.7	0.145	9.3	0.4520	0.0472
E235	89-0190	01/17/89	3.6	<0.005	<0.005	0.009	1.3	0.140	9.3	0.3588	0.0312
E240	89-0053	01/17/89	2.9	0.023	0.013	0.010	1.4	0.154	11.9	0.3232	0.0300
E240	89-0189	01/17/89	2.6	0.024	0.013	0.009	1.2	0.150	11.7	0.3864	0.0400
E240	89-0098	02/07/89	4.7	0.022	0.012	0.020	3.1	0.113	12.9	0.8548	0.0988
E240	89-0099	02/07/89	4.5	0.045	0.016	0.020	3.0	0.113	12.7	0.7844	0.0760
E240	89-0229	02/28/89	4.0	0.007	0.007	0.009	1.2	0.114	10.4	0.4540	0.0540
E240	89-0230	02/28/89	3.7	0.009	0.007	0.009	1.2	0.114	9.7	0.4708	0.0520
E240	89-0297	03/14/89	3.9	<0.005	<0.005	0.009	1.6	0.102	7.5	0.4268	0.0408
E240	89-0298	03/14/89	4.4	<0.005	<0.005	0.010	1.4	0.101	3.4	0.4488	0.0452
E240	89-0333	04/11/89	7.2	0.014	0.008	0.034	3.4	0.134	8.0	0.8956	0.1160
E240	89-0334	04/11/89	6.2	0.014	0.005	0.022	2.9	0.133	3.4	0.6130	0.0620
E240	89-0369	05/02/89	11.9	<0.005	<0.005	0.037	4.0	0.126	9.8	1.2900	0.1492
E240	89-0370	05/02/89	9.8	0.005	<0.005	0.036	3.6	0.125	11.2	1.2200	0.1292
E240	89-0492	05/31/89	23.1	0.019	<0.005	0.018	8.9	0.177	8.2	1.7325	0.6855
E240	89-0493	05/31/89	17.1	0.019	<0.005	0.018	9.0	0.176	9.2	1.5697	0.5923
E240	89-0570	06/27/89	9.6	<0.005	<0.005	0.066	5.9	0.172	8.9	1.1108	0.2892
E240	89-0571	06/27/89	11.9	<0.005	<0.005	0.049	4.3	0.172	8.7	1.0944	0.2716
E240	89-0606	07/11/89	8.0	0.036	0.006	0.062	5.2	0.348	17.7	1.6032	0.2228
E240	89-0607	07/11/89	9.5	0.030	0.006	0.055	5.2	0.350	18.0	1.6350	0.2180
E240	89-1718	08/08/89	2.8	0.086	0.077	0.021	2.9	0.398	22.7		
E240	89-1719	08/08/89	3.8	0.091	0.077	0.023	2.8	0.398	22.7		
E250	89-0055	01/17/89	6.6	<0.005	0.010	0.030	3.6	0.159	12.5	1.1712	0.1328
E250	89-0191	01/17/89	5.0	0.005	0.009	0.021	3.3	0.154	12.7	0.8588	0.0916

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
E250	89-0100	02/07/89	5.1	0.019	0.008	0.013	3.8	0.130	14.3	0.9796	0.0856
E250	89-0101	02/07/89	4.4	0.017	0.009	0.018	3.1	0.129	15.0	0.8944	0.9740
E250	89-0231	02/28/89	2.9	0.012	0.009	0.007	1.2	0.122	11.1	0.2640	0.0512
E250	89-0232	02/28/89	2.7	0.016	0.011	0.007	1.3	0.124	10.7	0.3312	0.0284
E250	89-0299	03/14/89	3.1	0.008	<0.005	0.010	1.9	0.107	11.0	0.5512	0.0504
E250	89-0300	03/14/89	3.6	<0.005	<0.005	0.011	2.1	0.108	10.9	0.5368	0.0520
E250	89-0335	04/11/89	6.4	0.011	0.008	0.023	3.0	0.141	8.8	0.5684	0.0620
E250	89-0336	04/11/89	5.3	0.020	0.010	0.019	2.8	0.142	8.7	0.5588	0.0612
E250	89-0371	05/02/89	9.3	<0.005	<0.005	0.036	4.0	0.123	10.7	1.3316	0.1560
E250	89-0372	05/02/89	8.3	<0.005	<0.005	0.036	4.0	0.125	10.2	1.2668	0.1476
E250	89-0494	05/31/89	15.1	0.024	<0.005	0.019	7.8	0.185	10.2	1.3793	0.5267
E250	89-0495	05/31/89	16.6	0.020	<0.005	0.019	7.0	0.185	9.6	1.2956	0.5200
E250	89-0572	06/27/89	10.1	<0.005	<0.005	0.045	4.3	0.194	10.2	1.1024	0.2864
E250	89-0573	06/27/89	17.8	<0.005	<0.005	0.044	3.8	0.186	9.7	0.9024	0.2384
E250	89-0610	07/11/89	7.2	0.111	0.024	0.044	4.0	0.560	23.6	1.3548	0.1620
E250	89-0611	07/11/89	6.8	0.113	0.025	0.039	3.5	0.552	21.8	1.2312	0.1396
E250	89-1720	08/08/89	3.4	0.069	0.071	0.014	2.1	0.416	26.6		
E250	89-1721	08/08/89	3.1	0.078	0.070	0.016	2.1	0.414	25.3		
E255	89-0618	07/11/89	5.7	0.084	0.022	0.033	3.7	0.564	25.0	1.3216	0.1496
E255	89-0619	07/11/89	5.6	0.081	0.021	0.044	3.3	0.564	25.0	1.6052	0.2060
E260	89-0056	01/17/89	6.6	<0.005	<0.005	0.036	5.0	0.223	16.4	1.6780	0.1968
E260	89-0192	01/17/89	6.4	0.005	<0.005	0.036	4.8	0.219	16.7	1.8048	0.1892
E260	89-0106	02/07/89	5.6	0.023	0.006	0.030	4.8	0.157	13.3	1.2424	0.1292
E260	89-0107	02/07/89	6.1	0.031	0.006	0.031	4.0	0.155	19.4	1.2112	0.1120
E260	89-0233	02/28/89	2.1	0.020	0.007	0.008	1.7	0.150	12.1	0.5476	0.0488
E260	89-0234	02/28/89	2.0	0.013	0.007	0.009	2.1	0.149	12.0	0.5208	0.0468
E260	89-0301	03/14/89	4.3	<0.005	<0.005	0.013	2.3	0.127	9.8	0.5860	0.0524
E260	89-0302	03/14/89	4.2	<0.005	<0.005	0.013	2.7	0.128	11.9	0.6004	0.0548
E260	89-0337	04/11/89	5.0	0.009	0.009	0.023	2.9	0.146	12.3	0.8868	0.0908
E260	89-0338	04/11/89	5.4	0.011	0.007	0.019	3.1	0.147	9.2	0.7528	0.0812
E260	89-0373	05/02/89	7.0	<0.005	<0.005	0.033	3.9	0.140	10.3	1.4012	0.1628
E260	89-0374	05/02/89	8.5	<0.005	<0.005	0.040	4.4	0.138	10.5	1.5176	0.1752
E260	89-0496	05/31/89	12.2	0.016	<0.005	0.017	6.0	0.171	9.3	1.5276	0.5768
E260	89-0497	05/31/89	9.9	0.024	<0.005	0.017	5.7	0.173	8.6	1.4028	0.5384
E260	89-0574	06/27/89	6.7	<0.005	<0.005	0.031	3.0	0.189	9.7	0.7380	0.2260
E260	89-0575	06/27/89	5.6	<0.005	<0.005	0.038	3.2	0.195	8.6	0.8104	0.2100
E260	89-0612	07/11/89	5.1	0.075	0.021	0.040	3.0	0.548	24.8	1.4944	0.1908
E260	89-0613	07/11/89	4.5	0.073	0.021	0.040	3.7	0.552	27.2	1.5132	0.1784
E260	89-1726	08/08/89	3.6	0.083	0.063	0.015	2.1	0.419	25.5		
E260	89-1727	08/08/89	2.0	0.070	0.063	0.014	2.0	0.418	23.9		
E264	89-0108	02/07/89	6.9	0.049	0.008	0.030	4.3	0.191	20.0	1.5036	0.1328
E264	89-0109	02/07/89	7.1	0.027	0.009	0.031	4.9	0.189	19.1	1.5312	0.1432
E265	89-0059	01/17/89	8.9	<0.005	<0.005	0.042	5.4	0.252	18.2	2.0500	0.2212
E265	89-0195	01/17/89	8.8	<0.005	<0.005	0.042	5.5	0.244	18.4	2.2336	0.2180
E265	89-0241	02/28/89	4.5	0.014	0.006	0.012	2.7	0.164	13.6	0.9228	0.0804
E265	89-0242	02/28/89	3.9	0.007	0.006	0.015	2.6	0.163	13.5	0.8712	0.0812
E265	89-0309	03/14/89	4.6	0.042	<0.005	0.016	3.0	0.155	12.3	0.6956	0.0708

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids	Diss.	Diss.	Part.	Turb.	Diss.	Diss.	Part.	Part.
			Total	NH4-N	NO2 +	-P	NTU	PO4-P	Org.-C	-C	-N
			Susp.	(mg/l)	NO3-N	(mg/l)		(mg/l)	(mg/l)	(mg/l)	(mg/l)
			(mg/l)		(mg/l)						
E265	89-0310	03/14/89	3.8	0.008	<0.005	0.016	2.7	0.154	13.1	0.6536	0.0672
E268	89-0110	02/07/89	6.8	0.065	0.007	0.030	4.1	0.215	19.8	1.1932	0.1112
E268	89-0111	02/07/89	6.3	0.049	0.006	0.031	4.2	0.212	20.1	1.4388	0.1284
E270	89-0057	01/17/89	6.0	<0.005	<0.005	0.032	4.4	0.289	19.7	1.6640	0.1576
E270	89-0193	01/17/89	7.3	<0.005	<0.005	0.036	5.1	0.291	19.3	2.0188	0.1900
E270	89-0104	02/07/89	6.0	0.021	0.008	0.033	4.3	0.245	21.9	1.4716	0.1284
E270	89-0105	02/07/89	6.1	0.019	<0.005	0.033	4.2	0.245	21.8	1.4944	0.1320
E270	89-0235	02/28/89	3.3	0.013	0.007	0.015	2.6	0.194	17.0	0.7736	0.0664
E270	89-0236	02/28/89	3.2	0.011	0.007	0.014	2.7	0.195	15.9	0.6656	0.0540
E270	89-0303	03/14/89	4.8	<0.005	<0.005	0.022	3.1	0.169	15.1	0.7704	0.0716
E270	89-0304	03/14/89	4.6	<0.005	<0.005	0.022	3.2	0.169	13.4	0.9056	0.0828
E270	89-0339	04/11/89	6.1	0.012	0.007	0.021	3.6	0.175	12.6	1.0096	0.0952
E270	89-0340	04/11/89	4.6	0.012	0.007	0.022	3.4	0.173	11.5	0.8740	0.0828
E270	89-0375	05/02/89	9.0	<0.005	<0.005	0.031	3.3	0.154	11.4	1.3776	0.1476
E270	89-0376	05/02/89	6.9	<0.005	<0.005	0.031	3.4	0.151	11.7	1.3348	0.1436
E270	89-0498	05/31/89	8.7	0.009	<0.005	0.056	4.6	0.170	10.1	1.5316	0.5716
E270	89-0499	05/31/89	7.4	0.012	<0.005	0.017	4.1	0.166	8.8	1.5028	0.5616
E270	89-0576	06/27/89	6.9	<0.005	<0.005	0.029	2.6	0.179	10.6	0.6628	0.1668
E270	89-0577	06/27/89	6.4	<0.005	<0.005	0.027	2.7	0.180	10.1	0.6684	0.1912
E270	89-0614	07/11/89	5.5	0.089	0.020	0.038	2.9	0.552	24.5	1.1532	0.1488
E270	89-0615	07/11/89	5.9	0.089	0.021	0.037	2.9	0.556	24.2	1.3432	0.1568
E270	89-1728	08/08/89	1.5	0.068	0.061	0.014	2.0	0.424	24.4		
E270	89-1729	08/08/89	2.4	0.073	0.061	0.016	1.9	0.426	22.8		
E274	89-0345	04/11/89	6.2	0.012	0.009	0.026	3.9	0.177	13.0	1.3516	0.1268
E274	89-0346	04/11/89	5.3	0.012	0.007	0.026	3.4	0.175	12.8	1.0500	0.0988
E275	89-0239	02/28/89	3.3	0.015	0.007	0.017	2.8	0.220	16.5	0.9000	0.0796
E275	89-0240	02/28/89	3.6	0.013	0.006	0.019	2.8	0.222	17.4	0.9656	0.0840
E275	89-0307	03/14/89	4.6	<0.005	<0.005	0.028	3.2	0.177	14.5	0.9336	0.0812
E275	89-0308	03/14/89	5.5	0.024	<0.005	0.028	3.5	0.178	17.5	0.9996	0.0820
E275	89-0381	05/02/89	8.9	<0.005	<0.005	0.032	3.7	0.161	15.4	1.5572	0.1516
E275	89-0382	05/02/89	7.5	0.013	<0.005	0.032	3.4	0.161	14.0	1.5644	0.1452
E276	89-0343	04/11/89	4.8	0.019	0.007	0.027	3.2	0.203	13.3	1.1544	0.1048
E276	89-0344	04/11/89	5.3	0.028	0.008	0.025	3.4	0.202	14.6	1.1752	0.1084
E280	89-0058	01/17/89	5.2	<0.005	0.009	0.027	3.1	0.322	21.1	1.1224	0.1284
E280	89-0194	01/17/89	4.9	<0.005	0.009	0.024	2.8	0.321	20.2	1.1268	0.1204
E280	89-0102	02/07/89	7.7	0.019	0.008	0.034	3.8	0.270	21.5	1.5852	0.1340
E280	89-0103	02/07/89	8.3	0.033	0.009	0.037	3.9	0.281	21.2	1.6472	0.1484
E280	89-0237	02/28/89	3.5	0.012	0.007	0.022	2.4	0.269	19.2	0.9860	0.0952
E280	89-0238	02/28/89	3.3	0.022	0.007	0.019	2.5	0.269	19.0	0.8240	0.0768
E280	89-0305	03/14/89	5.8	<0.005	<0.005	0.038	3.1	0.180	18.3	1.3448	0.1204
E280	89-0306	03/14/89	5.4	<0.005	<0.005	0.034	2.9	0.180	17.4	1.2760	0.1032
E280	89-0341	04/11/89	5.2	0.020	0.010	0.030	3.6	0.228	16.2	1.0756	0.1032
E280	89-0342	04/11/89	5.3	0.017	0.005	0.025	3.7	0.228	15.6	0.9704	0.0932
E280	89-0377	05/02/89	9.5	<0.005	<0.005	0.037	4.5	0.164	14.7	1.6320	0.1792
E280	89-0378	05/02/89	7.8	<0.005	<0.005	0.042	4.2	0.164	15.1	2.1108	0.2376
E280	89-0500	05/31/89	7.4	0.038	<0.005	0.018	4.0	0.179	10.3	1.4836	0.5516
E280	89-0501	05/31/89	8.2	0.023	<0.005	0.018	4.1	0.180	10.2	1.5588	0.6060

Myakka River Basin Project
Data Report Through December, 1989

Station	Cont.	Date	Solids Total Susp. (mg/l)	Diss. NH4-N (mg/l)	Diss. NO2 + NO3-N (mg/l)	Part. -P (mg/l)	Turb. NTU	Diss. PO4-P (mg/l)	Diss. Org.-C (mg/l)	Part. -C (mg/l)	Part. -N (mg/l)
E280	89-0578	06/27/89	6.8	<0.005	<0.005	0.040	3.8	0.178	11.6	1.1724	0.2976
E280	89-0579	06/27/89	7.6	<0.005	<0.005	0.046	4.0	0.179	11.7	1.2476	0.3416
E280	89-0616	07/11/89	7.1	0.091	0.015	0.056	3.3	0.564	25.9	1.6592	0.1888
E280	89-0617	07/11/89	7.5	0.096	0.015	0.048	3.5	0.556	24.9	1.6180	0.1844
E280	89-1730	08/08/89	3.6	0.074	0.057	0.022	2.4	0.420	18.6		
E280	89-1731	08/08/89	3.4	0.071	0.058	0.020	2.2	0.420	24.9		
E290	89-0379	05/02/89	7.4	<0.005	<0.005	0.037	4.4	0.163	15.2	1.9108	0.2136
E290	89-0380	05/02/89	8.3	0.014	<0.005	0.035	4.2	0.162	14.6	1.7976	0.1968
E290	89-0502	05/31/89	6.5	0.014	<0.005	0.020	4.0	0.200	13.2	0.8932	0.3356
E290	89-0503	05/31/89	5.3	0.011	<0.005	0.020	3.4	0.202	13.7	0.8140	0.3000
E290	89-0580	06/27/89	7.7	<0.005	<0.005	0.050	5.5	0.181	11.9	1.4776	0.3980
E290	89-0581	06/27/89	7.7	<0.005	<0.005	0.044	4.9	0.181	11.3	1.1632	0.3272
E300	89-0504	05/31/89	4.2	0.014	<0.005	0.023	2.9	0.227	14.8	0.6892	0.2524
E300	89-0505	05/31/89	4.3	0.010	<0.005	0.023	3.1	0.226	14.8	0.6324	0.2352
E300	89-0582	06/27/89	8.3	<0.005	<0.005	0.062	5.2	0.194	13.0	1.3188	0.3604
E300	89-0583	06/27/89	7.2	<0.005	<0.005	0.047	5.3	0.194	14.5	1.2816	0.3632

ATTACHMENTS

ATTACHMENT 1

Sources of Information and Data on the Myakka River

- Bridges, W.C., Technique for Estimating Magnitude and Frequency of Floods on Natural-Flow Streams in Florida. United States Department of the Interior, Geological Survey, Water Resources Investigations 82-4012, 1982, 44 p.
- Browder, J., An Ecosystem View of Management Research in the Myakka River. July 1987.
- Burton, J.D. and Liss, P.S., (ed.), Estuarine Chemistry. Academic Press, 1976.
- Chrislis, Donna R., "Toward A State Ocean Policy," in Florida's Ocean Future. 1989.
- Drummond, R., The Myakka River Basin, Characteristics of a Watershed. Senior Thesis, New College, June, 1977.
- Duerr, A.D., Wolansky, R.M., Hydrogeology of the Surficial and Intermediate Aquifers of Central Sarasota County, Florida. U.S. Geological Survey, Water-Resources Investigations Report 86-4068, 1986, 48 p.
- Environmental Services Laboratory, Sarasota County, Florida Ambient Water Quality Annual Report. 1987, 129 p.
- Environmental Services Laboratory, Sarasota County, Florida Ambient Water Quality Annual Report. 1988, 119 p.
- Environmental Sciences and Engineering, Final Water Quality Report for the Charlotte Harbor Study Area. Section 208 Water Quality Management Program. November, 1977.
- Estevez, E.D., A Dry-Season Characterization of the Tidal Myakka River. Draft, July 2, 1986, 171 p.
- Estevez, E.D., A Wet-Season Characterization of the Tidal Myakka River. Draft, December 12, 1985, 295 p.
- Estevez, E.D., Infaunal Macroinvertebrates of the Charlotte Harbor Estuarine System and Surrounding Inshore Waters. Florida, U.S. Geological Survey, Water-Resources Investigations Report 85-4260, 1986, 115 p.
- Fernandes, M. Jr., Salinity Characteristics and Distribution and Effects of Alternative Plans for Freshwater Withdrawal, Little Manatee River Estuary and Adjacent Areas of Tampa Bay. U.S. Geological Survey Water Resources Investigations Report 84-4301, 1985, 45 p.
- Fraser, T.H., Long-Term Water-Quality Characteristics of Charlotte Harbor, Florida. U.S. Geological Survey, Water-Resources Investigation Report 86-4180, 1986, 43 p.

Geraghty and Miller, The MacArthur Tract Hydrologic and Water Supply Investigation. South West Florida Water Management District Engineering Report, 1981.

GESAMP, Reports and Studies Number 32, Land/Sea Boundary Flux of Contaminants: Contributions from Rivers. 1987, 172 p.

Hammett, K., Land Use, Water Use, Streamflow, and Water Quality Characteristics of the Charlotte Harbor Inflow Area. Florida, USGS Open File Report 87-472.

Hammett, K.M., Turner, J.F. Jr., and Murphy, W.R. Jr., Magnitude and Frequency of Flooding on the Myakka River Southwest Florida. U.S. Geological Survey, Water Resources Investigations 78-65, 1978, 40 p.

Hammett, K.M., Low-Flow Frequency Analysis for Streams In West Coast Florida. U.S. Geological Survey, Water-Resources Investigations Report 84-4299, 1985, 116 p.

Hammett, K. M., Physical Processes, Salinity Characteristics and Potential Salinity Changes due to Freshwater Withdrawals in the Tidal Myakka River. Florida, Draft USGS Report.

Hand, J., Tauxe, V., and Watts, J., 1986 Florida Water Quality Assessment 305(b) Technical Report. June 1986, 235 p.

Hunter Environmental Service, Myakka Wild and Scenic River Management Plan. Draft, October 5, 1989.

Joyner, B.F., and Sutcliffe, H. Jr., Water Resources of the Myakka River. U.S. Geological Survey, Water-Resources Investigations 76-58, December, 1976, 87 p.

Krueger, H.O., Ward, J.P., Anderson, S.H., A Resource Manager's Guide for Using Aquatic Organisms to Assess Water Quality for Evaluation of Contaminants. Fish and Wildlife Service, U.S. Department of the Interior, August 1988, 45 p.

Lincer, J.L. (ed.), Myakka River Workshop. September 30, 1979,

Lincer, J.L., The Ecological Status of Dona and Robert's Bays and It's Relationship to Cow Pen Slough and Other Possible Perturbations. August 1975.

Marella, T.L., Water Withdrawals, Use and Trends in Florida. 1985, U.S. Geological Survey, Water-Resources Investigations Report 88-4103, 1988, 43 p.

McCarthy, J.F. and Dame, G.M., A History of the Myakka River, Sarasota County, Florida. November 1983.

Morris, J. and Miller, J., Preliminary Survey of the MacArthur Tract for Sarasota County. 1978.

Overnick, J.M., Nonpoint Source-Stream Nutrient Level Relationships: A Nationwide Study. U.S. Environmental Protection Agency, EPA-600/3-77-105, September 1977, 151 p.

Place, John R. and Nystrom, David A., "GIS Applications in the Earth Sciences," in the USGS Yearbook. FY1987.

Priede-Sedgwick Inc., Lake Myakka Water Quality Study. January 21, 1983.

Ryan, J.D., Calder, F.D., Burney, L.C., Deepwater Ports Maintenance Dredging and Disposal Manual, A Guide to Planning Estuarine Chemical Data Collection, Analysis, and Interpretation. December 1984, 45 p.

Schropp, S.J., Calder, F.D., Sloane, G.M., and Swanson, K.O., Florida Department of Environmental Regulation, Perdido Bay Interstate Study, A Report on Physical and Chemical Processes Affecting the Management of Perdido Bay. Provisional Results from March 1988 - February 1989.

Soil Conservation Service, Soil Survey of Sarasota County, Florida. Draft Report.

Soil Conservation Service, Soil Survey of Manatee County, Florida. April, 1983, 159 p.

Soil Conservation Service, Soil Survey of Hardee County, Florida. June 1984, 139 p.

Soil Conservation Service, Soil Survey of Charlotte County, Florida. December, 1984.

South West Florida Water Management District, Water Management Lands Trust Fund, Save Our Rivers Five Year Plan. 1989, 84p

Townshend, T.B.A., Wild Life In Florida with a Visit to Cuba. 1875, 123 p.

United States Department of the Interior, Water Resources Data, Florida, Water Year 1988. Volume 3A, U.S. Geological Survey Water-Data Report FL-88-3B, 1989, 290 p.

United States Department of the Interior, Water Resources Data, Florida, Water Year 1988. Volume 3B, U.S. Geological Survey Water-Data Report FL-88-3B, 1989, 311 p.

United States Department of the Interior, Water Resources Data, Florida, Water Year 1981. Volume 3B, U.S. Geological Survey, Water-Data Report FL-81-3B, 1982, 470 p.

United States Department of the Interior, Water Resources Data, Florida, Water Year 1986. Volume 3A, U.S. Geological Survey, Water-Data Report, FL-86-3A, 1987, 397 p.

United States Department of the Interior, Water Resources Data, Florida, Water Year 1986. Volume 3B, U.S. Geological Survey, Water-Data Report FL-86-3B, 1986, 343 p.

United States Department of the Interior, National Parks Service, Final Wild and Scenic River Study. 1984.

Walton, R., Williams, W.M., Roesner, L.A., Dry Season Response of the Manatee River, Florida. February, 1984.

Windom, H.L., A Guide to the Interpretation of Metal Concentrations in Estuarine Sediments. Florida Department of Environmental Regulation Coastal Zone Management Section, April 1988, 43 p.

ATTACHMENT 2

Description and Map of Sampling Stations

ATTACHMENT 2

MYAKKA RIVER FRESH H₂O SAMPLING POINTS

Station Designation	Station Description
B110	Myakka City at bridge on State Rd 70 Sample at USGS Continuous Record Gaging Station #02298608 27°20'36" 82°09'25" Manatee Co. Section 13 Township 36S Range 21E
B120	Howard Creek on Hi Hat Ranch approximately 4 mi. south of State Rd. 780 Sample at USGS Continuous Record Gaging Station #02298760 27°17'17" 82°20'25" Sarasota Co. Section 6 Township 37S Range 20E
B130	Myakka River near Clay Gully inflow. Sample from bridge on Clay Gully Road. North of Myakka River State Park. Sarasota Co. Sample at USGS Continuous Record Gaging Station installed 4/89. Staff gage installed 1/89.
B140	Myakka River in the Myakka River State Park. 1/2 mile north of the State Road 72 entrance to the State Park on the west bank of the river. Sample at USGS Continuous Record Gaging Station #02298830 27°14'25" 82°18'50" Sarasota Co. Section 21 Township 37S Range 20E
B150	Big Slough Canal at bridge on State Road 72 near Myakka River State Park Sample at USGS Continuous Record Gaging Station #02299410 27°11'35" 82°08'40" Sarasota Co. Section 6 Township 38S Range 22E
B160	Myakka River on Chuck Down's property, 500ft downstream from concrete dam. Sample at USGS Continuous Record Gaging Station #02298880 27°11'07" 82°21'21" Sarasota Co. Section 12 Township 38S Range 19E
B170	Big Slough in North Port, 25 yards upstream from I-75 bridge. Sarasota Co. Section 21 Township 39S Range 21E Staff gage installed 1/89; Continous Record Gaging Station installed 4/89.

B180

Deer Prairie Slough at bridge on I-75. Sample will be taken in the channel on the north side of the bridge.

Correlate to USGS Continous Record Gaging Station #02299160 Sarasota Co.

Section 21 Township 39S Range 21E

ATTACHMENT 2 (Cont'd)

MYAKKA RIVER ESTUARINE STATIONS

Station Designation ¹	Station Description
E210	In Charlotte Harbor; 1.5 nautical miles SSE (compass heading 140) of number 9 square green channel marker at the Sarasota-Charlotte county line; sample 25 yards west of the number 8 triangular red channel marker. Longitude W82:09:58; Latitude N26:54:51. Loran Coordinates 14165.4 44080.0
E220	In the Myakka River; 100 yards west of the El Jobean Bridge (Highway 771) on the south side of the channel; between the second and third canals in the development on the south bank of the river; 75 yards south along the bisected railroad bridge. Longitude W82:13:02 Latitude N26:57:22. Loran Coordinates 14165.0 44122.1
E230	In Myakka Bay; 50 yards north of hexagonal channel marker B; line up between the canal on the west bank and the large dead tree on the east bank. Longitude W82:14:45 Latitude N26:59:00. Loran Coordinates 14166.3 44143.2
E240	In the Myakka River; 25 yards east of the dock with a red bench; this dock is the first of three docks south of statue (Myakka River God) on the south end of the Tarpon Point development. Longitude W82:16:39 Latitude N27:00:83. Loran Coordinates 14166.8 44178.7
E250	In the Myakka River; north of Big Slough mouth; on the west side of the island off a trailer park; 200 yards south of the number 3 green square channel marker; line up between the 2 headless palms on the island to the east and just south of an area of low mangroves on the west bank. Longitude W82:16:88 Latitude N27:01:98. Loran Coordinates 14168.5 44178.8
E260	On the Myakka River; north of the highway 41 bridge and Becky's Bait Bucket; 50 yards north of the mouth of Deer Prairie Creek 25 feet from the tip of the island with 3 palm trees; sample in mid-channel. Longitude W82:17:77 Latitude N27:03:03. Loran Coordinates 14169.2 44191.8

E270 On the Myakka River; upstream of the last mangrove; after a bend with a single Australian pine; sample in midstream at the first palm which hangs out over the water; channel markers number 8 red triangular and number 9 green square are 500 yards upstream. Longitude W82:18:86 Latitude N27:03:94. Loran Coordinates 14169.1 44205.7

E280 On the Myakka River; three left bends in the river followed by three right bends upstream of Rambler's Rest Campground; the area is known as Big Bend and is characterized by a high white sand bank on the east bank of the river. Longitude W82:17:63 Latitude N27:02:52. Loran Coordinates 14170.1 44219.4

1. 8 "fixed" stations listed above plus 2 "floating" stations

